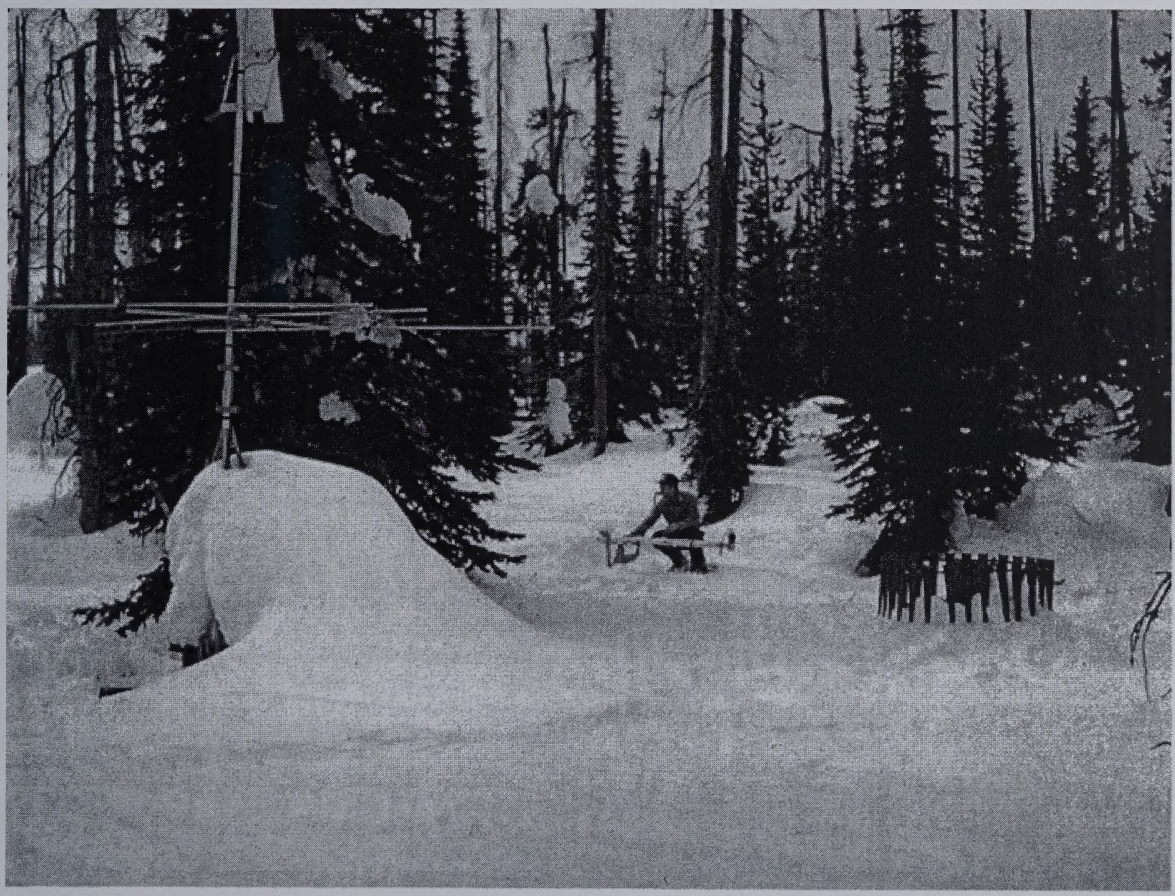
USDA United States Department of Agriculture

Natural Resources Conservation Service

Montana Water Supply Outlook Report April 1, 2004



Picture: Black Bear SNOTEL Site - Winter of 1997

Water Supply Outlook Report
and
Federal - State - Private
Cooperative Snow Surveys

For more water supply and resource management information, contact:
See Attached List

How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

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United States Department of Agriculture
Natural Resources Conservation Service
Bozeman, Montana

(406) 587-6811
10 E Babcock
Federal Bldg Room 443
Bozeman MT 59715

Where to Get More Information

This contact list provides you with the names and phone numbers of individuals who can provide more detailed snow survey information for each county.

Beaverhead County
Victor Hager
683-3800

Big Horn County
Evan Van Order
665-3442

Blaine County
Matthew Crampton
357-2320

Broadwater County
Kelly Morris
266-3146

Carbon County
Gregory Evertz
962-3641

Carter County
Wayne Yost
775-6355

Cascade County
Marty Metz
727-7580

Chouteau County
Dan Van Voast
622-5627

Custer County
Terry Heck
232-7905

Daniels County
Stanley French
487-5366

Dawson County
Linda Peterson-Lohse
365-5566

Deer Lodge County
Glen Green
846-1703

Fallon County
Ann Fischer
778-2217

Fergus County
Patty Creamer
538-7401

Flathead County
Angel Rosario
752-4242

Gallatin County
Gordon Hill
522-4000

Garfield County
Sue Fitzgerald
557-2232

Glacier County
Mark Johnson
873-4292

Golden Valley County
John Rouane Jr.
323-2103

Granite County
Mary McDonald Pochelon
859-3291

Hill County
Deana Grabofsky
265-6792

Jefferson County
Julie Sacks
287-3215

Judith Basin County
Rick Caquelin
566-2311

Lake County
David Wolf
676-2841

Lewis and Clark County
Mindy Gauthier
449-5000

Liberty County
Dawn Wickum
759-5778

Lincoln County
Kirk Sullivan
296-2233

Madison County
Ole Berkram
842-5741

McCone County
Regan Fanning
485-2744

Meagher County
Tammy DeCock
547-3633

(over)

Mineral County
Tony Prince
829-3395

Missoula County
Tony Prince
829-3395

Musselshell County
John Rouane Jr.
323-2103

Park County
Ron Hoagland
222-2899

Petroleum County
Nikki Lott
429-6646

Phillips County
Lorna Philp
654-1334

Pondera County
Lanny Walker
278-3922

Powder River County
Carol Hilliard
436-2417

Powell County
Glen Green
846-1703

Prairie County
Bob Prongua
635-5381

Ravalli County
Lane Johnson
363-5010

Richland County
Jamie Selting
433-2103

Roosevelt County
Robert Bray
787-5232

Rosebud County
Rocky Schwagler
346-7333

Sanders County
Don Feist
826-3701

Sheridan County
Monica Friedrich
765-1801

Silver Bow County
Julie Sacks
287-3215

Stillwater County
Philip Sandoval
322-5359

Sweet Grass County
Chuck Roloff
932-5160

Teton County
Stacy Denny-Eneboe
466-5722

Toole County
Misty Vermulm
434-5234

Treasure County
Stewart Greer
342-5510

Valley County
Denise Wiedenheft
228-4321

Wheatland County
John Oiestad
632-5534

Wibaux County
Katrina Johnson
796-2211

Yellowstone County
Valerie Roberson
657-6135

12/19/02

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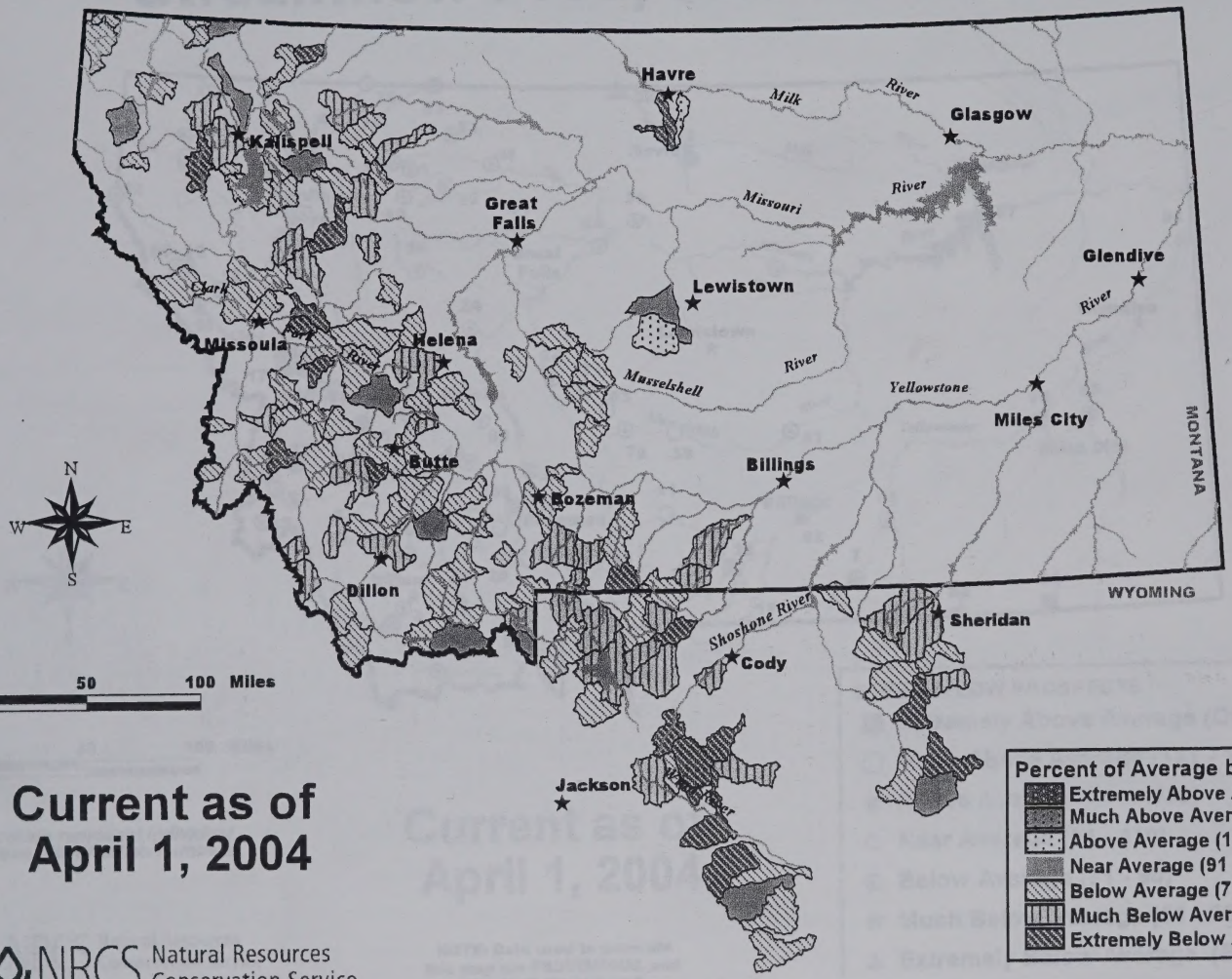
Mountain Snow Water Equivalent



Current as of April 1, 2004

Percent of Average by Sub-Basin

- Extremely Above Average (Over 150)
- Much Above Average (131 - 150)
- Above Average (111 - 130)
- Near Average (91 - 110)
- Below Average (71 - 90)
- Much Below Average (51 - 70)
- Extremely Below Average (Below 51)

NRCS Natural Resources Conservation Service

http://www.mt.nrcs.usda.gov

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

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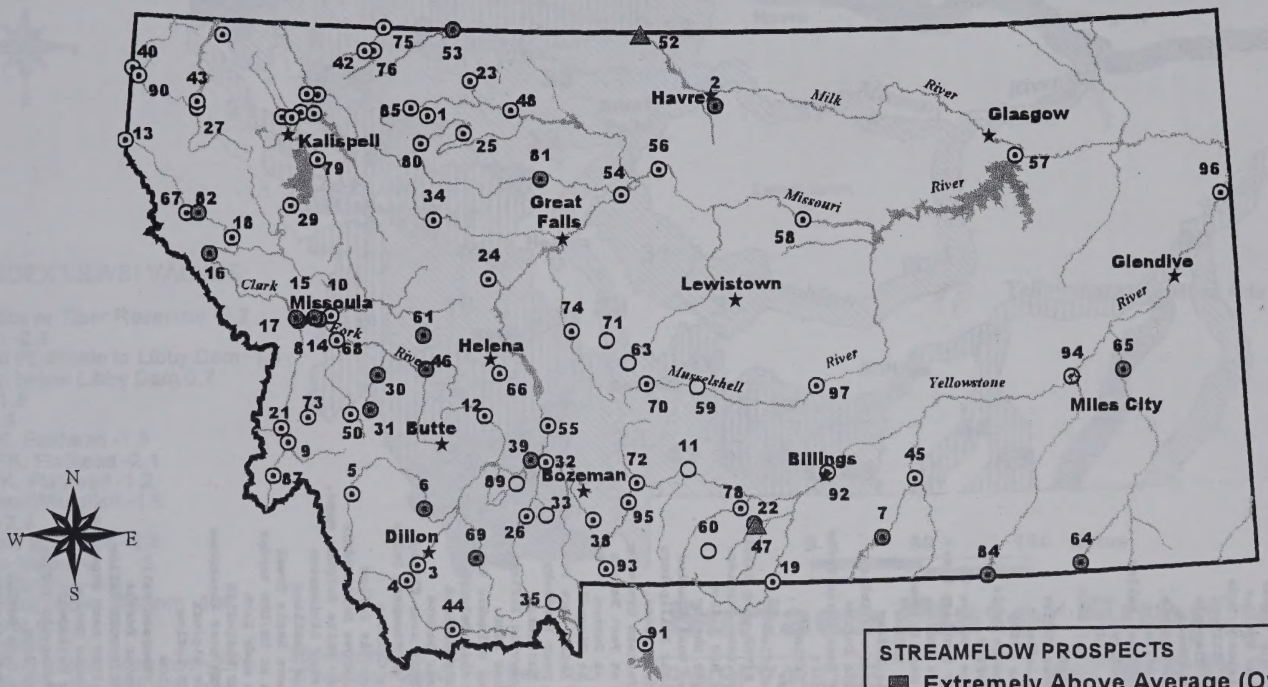
NATURAL RESOURCES CONSERVATION SERVICE

Streamflow Prospects for Montana



Numbers represent individual station identification numbers.

Current as of April 1, 2004

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STREAMFLOW PROSPECTS

- Extremely Above Average (Over150)
- Much Above Average (131 - 150)
- Above Average (111 - 130)
- Near Average (91 - 110)
- Below Average (71 - 90)
- Much Below Average (51 - 70)
- Extremely Below Average (Below 51)

Map #	Forecast Point
1	BADGER CREEK near Browning
2	BEAVER CREEK near Havre
3	BEAVERHEAD RIVER at Barretts
4	CLARK CANYON RES Inflow
5	BIG HOLE RIVER at Wisdom
6	BIG HOLE RIVER near Melrose
7	BIGHORN RIVER near St. Xavier
8	BITTERROOT at Missoula
9	BITTERROOT near Darby
10	BLACKFOOT RIVER near Bonner
11	BOULDER RIVER at Big Timber
12	BOULDER RIVER near Boulder
13	CLARK FK at Whitehorse Rpds
14	CLARK FORK above Milltown
15	CLARK FORK above Missoula
16	CLARK FORK at St. Regis
17	CLARK FORK below Missoula
18	CLARK FORK near Plains
19	CLARKS FORK RIVER near Belfry
21	COMO RESERVOIR Inflow
22	COONEY RESERVOIR Inflow
23	CUT BANK CREEK at Cut Bank
24	DEARBORN near Craig
25	DUPUYER CREEK near Valier
26	ENNIS Reservoir Inflow
27	FISHER RIVER near Libby
28	FLATHEAD at Columbia Falls
29	FLATHEAD Lake Inflow
30	FLINT CREEK below Boulder Ck
31	FLINT CREEK near Southern Cross
32	GALLATIN RIVER at Logan
33	GALLATIN RIVER near Gateway
34	GIBSON Reservoir Inflow
35	HEBGEN Reservoir Inflow
36	HUNGRY HORSE Reservoir Inflow
38	HYALITE RESERVOIR Inflow
39	JEFFERSON RIVER near Three Forks
40	KOOTENAI at Leonia
42	LAKE SHERBURNE Inflow
43	LIBBY RES Inflow
44	LIMA RESERVOIR Inflow
45	LITTLE BIGHORN RIVER near Hardin
46	LITTLE BLACKFOOT near Garrison
47	LOWER WILLOW CK RES Inflow
48	MARIAS RIVER near Shelby
49	MF FLATHEAD near West Glacier
50	MF ROCK CREEK near Philipsburg
52	MILK RIVER at East Cross.
53	MILK RIVER at Western Crossing
54	MISSOURI RIVER at Fort Benton
55	MISSOURI RIVER at Toston
56	MISSOURI RIVER at Virgelle
57	MISSOURI RIVER below Fort Peck
58	MISSOURI RIVER near Landusky
59	MUSSELSHELL at Harlowton
60	MYSTIC LAKE Reservoir Inflow
61	NEVADA CREEK near Finn
62	NF FLATHEAD near Columbia Falls
63	NF MUSSELSHELL near Delpine
64	POWDER RIVER at Moorehead
65	POWDER RIVER near Locate
66	PRICKLY PEAR CREEK near Clancy
67	PROSPECT CREEK at Thompson Falls
68	ROCK CREEK near Clinton
69	RUBY RIVER Reservoir Inflow
70	SF MUSSELSHELL above Martinsdale
71	SHEEP CREEK near White Sulphur Spgs.
72	SHIELDS RIVER near Livingston
73	SKALKAHO CK near Hamilton
74	SMITH RIVER above Eagle Creek
75	ST. MARY RIVER at US/CAN Border
76	ST. MARY RIVER near Babb
77	STILLWATER near Whitefish
78	STILLWATER RIVER near Absarokee
79	SWAN RIVER near Bigfork
80	SWIFT RESERVOIR Inflow
81	TETON near Dutton
82	THOMPSON near Thompson Falls
83	TOBACCO RIVER near Eureka
84	TONGUE RIVER RESERVOIR Inflow
85	TWO MEDICINE RIVER near Browning
87	WF BITTERROOT near Conner
88	WHITEFISH near Kalispell
89	WILLOW CREEK Reservoir Inflow
90	YAAK RIVER near Troy
91	YELLOWSTONE at Lake Outlet
92	YELLOWSTONE RIVER at Billings
93	YELLOWSTONE RIVER at Corwin Spgs
94	YELLOWSTONE RIVER at Miles City
95	YELLOWSTONE RIVER near Livingston
96	YELLOWSTONE RIVER near Sidney

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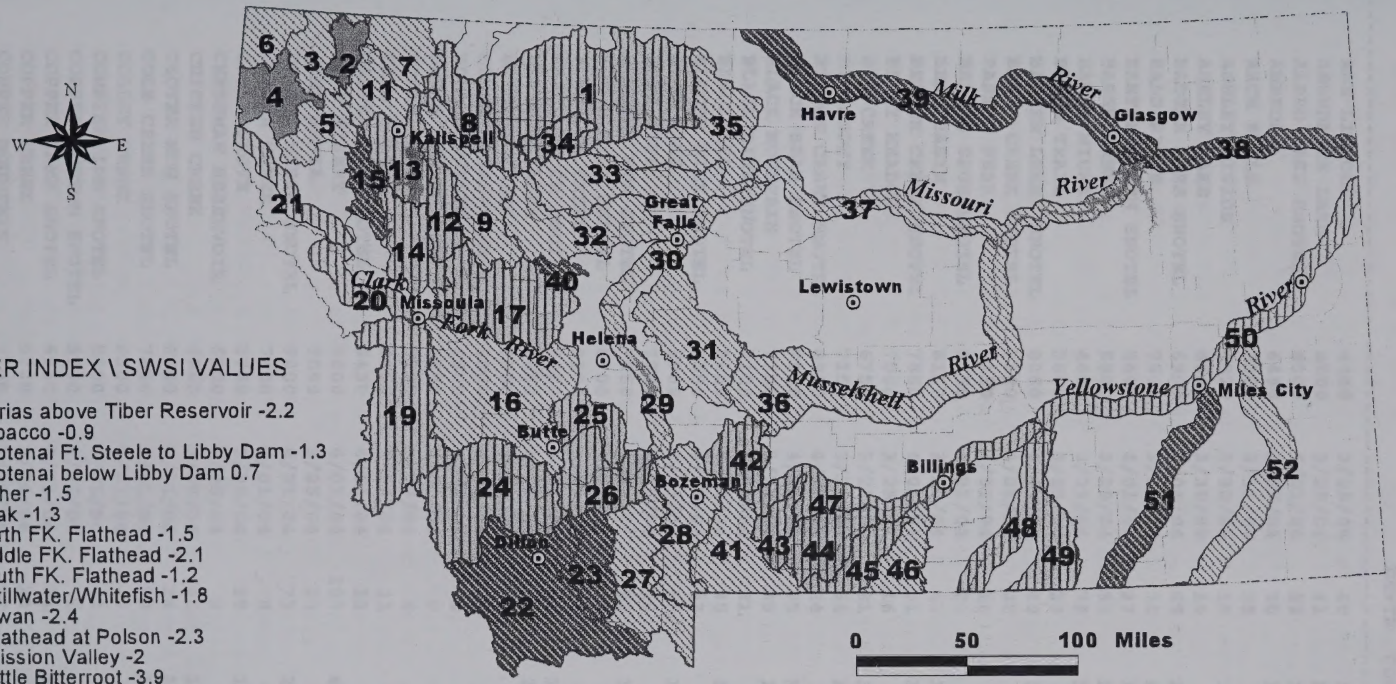

Surface Water Supply Index (SWSI) Values

Current as of April 1, 2004

RIVER INDEX \ SWSI VALUES

1 Marias above Tiber Reservoir -2.2
2 Tobacco -0.9
3 Kootenai Ft. Steele to Libby Dam -1.3
4 Kootenai below Libby Dam 0.7
5 Fisher -1.5
6 Yaak -1.3
7 North FK. Flathead -1.5
8 Middle FK. Flathead -2.1
9 South FK. Flathead -1.2
11 Stillwater/Whitefish -1.8
12 Swan -2.4
13 Flathead at Polson -2.3
14 Mission Valley -2
15 Little Bitterroot -3.9
16 Clark Fork above Milltown -1.4
17 Blackfoot -2.3
19 Bitterroot -2.2
20 Clark Fork below Bitterroot -2.7
21 Clark Fork below Flathead -2.4
22 Beaverhead -3.7
23 Ruby -3.4
24 Big Hole -2
25 Boulder (Jefferson) -2.1
26 Jefferson -2.6
27 Madison -1.5
28 Gallatin -1.5
29 Missouri above Canyon Ferry -1.6
30 Missouri below Canyon Ferry -1.6
31 Smith -1.5
32 Sun -1.9
33 Teton -1.7
34 Birch/Dupuyer Creeks -2.5
35 Marias -1.9
36 Musselshell -1.2
37 Missouri above Fort Peck -1.2
38 Missouri below Fort Peck -4
39 Milk -3.4
40 Dearborn near Craig -3.3
41 Yellowstone above Livingston -1.9
42 Shields -2.9
43 Boulder (Yellowstone) -2.2
44 Stillwater -2.2
45 Rock/Red Lodge Creeks -2.6
46 Clarks Fork -1.9
47 Yellowstone above Bighorn -2
48 Bighorn below Bighorn Lake -2.8
49 Little Bighorn -2.8
50 Yellowstone below Bighorn -2.4
51 Tongue -3.1
52 Powder -1.9

SWSI VALUES

- Extremely Dry -4.0 to -3.0
- Moderately Dry -2.9 to -2.0
- Slightly Dry -1.9 to -1.0
- Near Average -0.9 to 0.9
- Slightly Wet 1.0 to 1.9
- Moderately Wet 2.0 to 2.9
- Extremely Wet 3.0 to 4.0
- SWSI Not Applicable

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

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SNOTEL AND SNOW COURSE DATA
APRIL 2004

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
ABE LINCOLN	4440	3/25/04	40	15.4	11.4	18.9
ABUNDANCE LAKE	8800	3/28/04	41	13.7	20.8	20.6
ALBRO LAKE SNOTEL	8300	4/01/04	52	17.5	17.1	20.8
AMBROSE	6480	3/29/04	30	10.1	16.1	12.4
ARCH FALLS	7350	3/31/04	25	8.2	11.2	11.9
ASHLEY DIVIDE	4820	3/30/04	10	3.4	2.4	6.0
ASHLEY LAKE	4000	3/30/04	10	3.2	2.8	5.5
BADGER PASS SNOTEL	6900	4/01/04	65	28.8	30.7	35.3
BALD RIDGE	7500	3/30/04	30	11.1	12.2	12.4
BANFIELD MTN SNOTEL	5600	4/01/04	37	13.7	16.4	19.8
BAREE CREEK	5500	3/29/04	82	34.2	36.6	43.1
BAREE MIDWAY	4600	3/29/04	75	30.8	25.3	33.0
BAREE TRAIL	3800	3/29/04	23	7.9	6.2	7.7
BARKER LAKES SNOTEL	8250	4/01/04	40	11.8	13.8	14.6
BASIN CREEK SNOTEL	7180	4/01/04	22	6.5	7.8	8.7
BASSOO PEAK	5150	4/01/04	18	5.9	7.2	9.7
BEAGLE SPGS SNOTEL	8850	4/01/04	20	7.3	8.3	9.3
BEAR BASIN	8150	3/30/04	42	16.2	17.8	20.4
BEAVER CREEK SNOTEL	7850	4/01/04	51	17.5	15.1	18.2
BERRY MEADOW	7000	3/25/04	16	4.7	7.2	7.4
BIG CREEK	6750	3/29/04	81	33.7	36.4	43.7
BIG SNOWY	7150	3/26/04	54	19.1	17.0	20.2
BISSON CREEK SNOTEL	4920	4/01/04	24	8.6	9.2	9.9
BLACK BEAR SNOTEL	7950	4/01/04	95	39.9	31.7	39.8
BLACK MOUNTAIN	7750	3/25/04	39	12.6	15.2	14.6
BLACK PINE SNOTEL	7100	4/01/04	21	7.4	12.9	12.5
BLACKTAIL	5650	3/28/04	30	11.8	12.2	14.2
BLOODY DICK SNOTEL	7550	4/01/04	23	9.2	15.5	12.6
BLUE LAKE	5900	3/23/04	50	19.4	20.2	23.7
BOTS SOTS	7750	3/25/04	18	5.2	11.3	7.8
BOULDER MTN SNOTEL	7950	4/01/04	52	18.0	20.4	20.4
BOX CANYON SNOTEL	6700	4/01/04	13	4.7	10.3	10.4
BOXELDER CREEK	5100	3/29/04	28	9.4	4.2	7.6
BRACKETT CR SNOTEL	7320	4/01/04	41	16.5	22.5	21.5
BRANHAM LAKES	8850	4/01/04	69	27.6	28.7	28.9
BRISTOW CREEK	3900	3/25/04	20	7.0	7.1	8.4
BRUSH CREEK TIMBER	5000	3/30/04	13	4.5	4.7	8.1
BULL MOUNTAIN	6600	3/26/04	0	.0	6.1	5.9
BURNT MTN SNOTEL	5880	4/01/04	0	.0	6.1	--
CABIN CREEK	5200	3/27/04	5	1.6	4.2	5.4
CALL ROAD	8050	3/28/04	31	8.5	12.6	11.9
CALVERT CR SNOTEL	6430	4/01/04	13	4.8	9.7	8.1
CAMP MISERY	6400	4/01/04	103	41.4	42.3	49.3
CAMP SENIA	7890	3/25/04	20	5.0	9.3	6.2
CARROT BASIN SNOTEL	9000	4/01/04	72	26.1	22.7	28.1
CARTER CREEK	7400	4/01/04	9	3.2E	--	6.3
CEDAR GROVE	3760	3/25/04	28	10.0	8.7	11.4
CHESSMAN RESERVOIR	6200	3/25/04	3	.9	2.1	3.5
CHICKEN CREEK	4060	3/25/04	45	16.0	13.6	15.2
CLOVER MDW SNOTEL	8800	4/01/04	36	12.3	16.7	18.0
COLE CREEK SNOTEL	7850	4/01/04	39	11.1	20.9	16.4
COLLEY CREEK	6300	4/01/04	---	4.9E	8.5	7.9
COMBINATION SNOTEL	5600	4/01/04	2	1.0	5.3	4.9
COPPER BOTTOM SNOTEL	5200	4/01/04	1	.2	12.2	11.0
COPPER CAMP SNOTEL	6950	4/01/04	84	39.7	34.2	32.4
COPPER CREEK	5700	3/24/04	20	7.4	13.8	13.3
COPPER MOUNTAIN	7700	3/27/04	28	8.9	10.5	11.2
COTTONWOOD CREEK	6400	3/25/04	30	9.0	8.2	8.3
COYOTE HILL	4200	3/30/04	14	5.6	7.7	8.7
CREVICE MOUNTAIN	8400	4/01/04	---	2.7E	9.4	10.8

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
CRYSTAL LAKE SNOTEL	6050	4/01/04	37	14.1	14.0	12.3
DAD CREEK LAKE	8400	3/28/04	39	11.2	12.9	14.9
DAISY PEAK SNOTEL	7600	4/01/04	32	10.2	10.7	11.0
DALY CREEK SNOTEL	5780	4/01/04	21	7.8	13.4	11.1
DARKHORSE LK. SNOTEL	8700	4/01/04	62	23.7	32.5	32.5
DAVIS CREEK	5400	3/25/04	53	19.6	22.4	24.2
DEADMAN CR SNOTEL	6450	4/01/04	22	8.7	9.9	10.0
DESERT MOUNTAIN	5600	3/23/04	35	11.9	13.6	14.7
DISCOVERY BASIN	7050	3/30/04	25	9.2	12.0	10.4
DIVIDE SNOTEL	7800	4/01/04	36	9.7	8.8	11.3
DIX HILL	6400	3/28/04	17	5.3	12.8	10.3
DUPUYER CREEK SNOTEL	5750	4/01/04	18	5.5	6.3	9.9
EAGLE CREEK	7000	3/28/04	31	11.4	15.2	13.8
EAST FORK R.S.	5400	3/29/04	8	2.2	7.4	4.7
EL DORADO MINE	7800	3/25/04	52	17.3	22.2	20.2
ELK HORN SPRINGS	7800	3/28/04	17	4.7	11.3	9.1
ELK PEAK	8000	3/31/04	36	11.8	15.2	16.1
EMERY CREEK SNOTEL	4350	4/01/04	33	12.1	14.0	15.3
FATTY CREEK	5500	3/29/04	49	19.8	21.0	24.3
FISH CREEK	8000	3/25/04	26	7.9	8.4	9.9
FISHER CREEK SNOTEL	9100	4/01/04	76	28.4	36.4	35.4
FIVE-BULL	5700	3/24/04	12	3.5	2.8	5.5
FLATTOP MTN SNOTEL	6300	4/01/04	96	36.1	41.8	45.1
FLEECER RIDGE	7500	3/26/04	21	6.2	10.8	10.9
FOOLHEN	8280	3/28/04	34	11.0	15.8	16.2
FOREST LAKE	6400	3/28/04	28	9.4	12.8	11.7
FOUR MILE	6900	3/26/04	23	7.7	7.0	8.4
FOURTH OF JULY	3450	3/25/04	17	6.6	3.5	7.4
FRED BURR PASS	8000	3/29/04	55	20.2	23.3	23.9
FREIGHT CREEK	6000	3/23/04	34	12.2	11.4	14.8
FROHNER MDWS SNOTEL	6480	4/01/04	16	5.8	8.9	8.0
GARVER CREEK SNOTEL	4250	4/01/04	21	7.4	9.0	9.9
GIBBONS PASS	7100	3/24/04	52	20.0	26.4	22.7
GOAT MOUNTAIN	7000	3/27/04	23	7.6	6.9	9.7
GOLD CREEK LAKE	7200	3/25/04	40	13.3	16.2	14.7
GOLD STONE	8100	3/28/04	34	10.8	17.5	16.9
GRASSHOPPER	7000	3/31/04	12	3.9	5.0	5.8
GRAVE CRK SNOTEL	4300	4/01/04	39	14.4	15.2	15.6
GRIFFIN CR DIVIDE	5150	4/01/04	13	4.0	6.3	10.3
GUNSIGHT LAKE	6300	3/23/04	84	34.9	32.8	39.3
HAND CREEK SNOTEL	5030	4/01/04	20	7.4	9.4	11.7
HAWKINS LAKE SNOTEL	6450	4/01/04	59	21.0	23.5	27.4
HAYMAKER	8050	3/29/04	36	11.4	12.0	11.8
HEART LAKE TRAIL	4800	3/29/04	43	16.3	14.6	20.6
HEBGEN DAM	6550	3/31/04	21	7.5	8.2	12.0
HELL ROARING DIVIDE	5770	3/29/04	64	25.9	25.7	29.5
HERRIG JUNCTION	4850	3/25/04	60	24.8	23.8	26.0
HOLBROOK	4530	3/31/04	1	.4	7.5	8.2
HOODOO BASIN SNOTEL	6050	4/01/04	88	34.5	39.6	45.3
INDEPENDENCE	7850	4/01/04	31	10.4	16.3	17.4
INTERGAARD	6450	3/25/04	18	5.9	6.8	7.7
JAHNKE LAKE TRAIL	7200	3/28/04	20	5.9	12.1	10.4
JOHNSON PARK	6450	3/30/04	5	1.7	6.7	5.5
KEELER CREEK	3300	3/30/04	35	12.0	9.9	11.5
KINGS HILL	7500	3/31/04	37	12.3	10.7	13.7
KISHENEHN	3890	3/28/04	21	7.2	5.8	6.8
KRAFT CREEK SNOTEL	4750	4/01/04	5	1.3	12.3	14.1
LAKE CREEK	6100	3/28/04	17	5.0	4.7	8.2
LAKEVIEW CANYON	6930	3/30/04	31	10.4	6.1	11.1
LAKEVIEW RDG. SNOTEL	7400	4/01/04	33	10.5	7.9	11.8
LEMHI RIDGE SNOTEL	8100	4/01/04	22	7.8	13.4	11.2
LICK CREEK SNOTEL	6860	4/01/04	25	8.8	12.9	13.0
LITTLE PARK	7400	3/30/04	33	12.3	13.2	15.9
LOGAN CREEK	4300	3/30/04	15	5.3	4.6	6.7

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
LONE MOUNTAIN SNOTEL	8880	4/01/04	40	15.5	17.3	18.7
LOST HORSE	5940	4/01/04	0	27.3E	30.6	30.7
LOST SOUL	4800	3/25/04	27	9.2	12.1	14.0
LOWER TWIN SNOTEL	7900	4/01/04	48	15.9	16.6	19.0
LUBRECHT SNOTEL	4680	4/01/04	0	.0	5.2	3.6
LUBRECHT FOREST NO 3	5450	3/30/04	4	1.1	5.8	5.7
LUBRECHT FOREST NO 4	4650	3/30/04	0	.0	1.6	1.3
LUBRECHT FOREST NO 6	4040	3/30/04	0	.0	1.6	1.6
LUBRECHT HYDROPLOT	4200	3/29/04	0	.0	4.4	2.9
MADISON PLT SNOTEL	7750	4/01/04	63	25.0	18.8	25.5
MANY GLACIER SNOTEL	4900	4/01/04	19	6.4	11.8	15.3
MARIAS PASS	5250	4/01/04	31	10.7	13.2	16.8
MIDDLE MILL CREEK	7850	4/01/04	33	13.9	17.4	15.6
MILL CREEK	7500	4/01/04	---	9.1E	13.6	12.6
MINERAL CREEK	4000	3/29/04	32	13.1	15.2	17.4
MONUMENT PK SNOTEL	8850	4/01/04	54	18.3	20.9	21.0
MOSS PEAK SNOTEL	6780	4/01/04	77	29.2	34.2	38.2
MOULTON RESERVOIR	6850	3/25/04	17	5.4	8.1	6.9
MT LOCKHART SNOTEL	6400	4/01/04	47	16.8	20.0	21.1
MUDD LAKE	7650	3/25/04	46	17.6	21.0	19.7
MULE CREEK SNOTEL	8300	4/01/04	37	11.3	17.2	15.8
N.E. ENTRANCE SNOTEL	7350	4/01/04	10	3.5	11.2	11.3
NEVADA RIDGE SNOTEL	7020	4/01/04	31	12.0	18.3	15.5
NEW WORLD	6900	3/29/04	30	11.4	15.6	14.6
NEWTON MOUNTAIN	5600	3/25/04	66	27.0	28.0	33.9
NEZ PERCE CMP SNOTEL	5650	4/01/04	29	11.9	17.8	14.7
NEZ PERCE CREEK	6600	3/27/04	14	4.8	6.7	6.5
NEZ PERCE PASS	6570	3/23/04	35	13.0	19.2	17.8
N.F. ELK CR SNOTEL	6250	4/01/04	28	9.8	14.1	12.4
NF JOCKO SNOTEL	6330	4/01/04	87	41.3	40.2	45.3
NOISY BASIN SNOTEL	6040	4/01/04	90	34.6	36.2	40.9
NOTCH	8500	3/28/04	46	14.5	16.1	16.7
OPHIR PARK	7150	3/28/04	34	11.9	16.8	16.7
PALISADE CREEK	8250	3/31/04	59	25.9	31.7	29.8
PETERSON MDW SNOTEL	7200	4/01/04	27	8.8	11.8	10.5
PICKET PIN LOWER	6200	3/29/04	0	.0	4.8	2.6
PICKET PIN MIDDLE	7250	3/29/04	22	7.2	13.4	10.9
PICKET PIN UPPER	8100	3/29/04	49	14.7	20.2	19.3
PICKFOOT CRK SNOTEL	6650	4/01/04	---	6.2	10.4	11.7
PIKE CREEK SNOTEL	5930	4/01/04	49	20.3	21.7	27.5
PIPESTONE PASS	7200	3/27/04	11	3.2	4.2	5.7
PLACER BASIN SNOTEL	8830	4/01/04	44	14.5	19.3	17.8
POORMAN CR SNOTEL	5100	4/01/04	80	34.8	35.4	32.7
PORCUPINE SNOTEL	6500	4/01/04	10	3.7	6.9	6.9
POTOMAGETON PARK	7150	3/29/04	31	12.0	11.8	13.8
RED MOUNTAIN	6000	3/30/04	38	14.7	16.3	18.8
RED TOP	5260	3/25/04	57	22.8	22.3	28.4
REVAIS CREEK	4800	3/31/04	0	.0	.2	1.8
ROCK CREEK	5600	3/26/04	31	11.5	9.6	9.8
ROCK CREEK MEADOW	8160	3/26/04	49	14.7	17.7	20.7
ROCKER PEAK SNOTEL	8000	4/01/04	36	11.7	14.4	14.3
ROCKY BOY SNOTEL	4700	4/01/04	2	.9	.6	4.4
SACAJAWEA	6550	3/29/04	27	10.3	13.0	13.8
SACAJAWEA SNOTEL	6550	4/01/04	25	9.7	15.2	14.8
SADDLE MTN SNOTEL	7900	4/01/04	60	20.1	28.7	25.8
S.F. SHIELDS SNOTEL	8100	4/01/04	43	15.0	16.5	17.7
SHORT CREEK SNOTEL	7000	4/01/04	13	4.5	6.2	6.1
SHOWER FALLS SNOTEL	8100	4/01/04	50	16.4	21.6	22.7
SKALKAHO SNOTEL	7260	4/01/04	52	18.8	25.5	24.3
SLAG-A-MELT LAKE	8750	3/28/04	52	19.1	28.0	24.9
SLEEPING WOMAN SNTL	6150	4/01/04	30	10.9	14.9	17.2
SLIDE ROCK MOUNTAIN	7100	3/26/04	33	11.3	16.8	15.5
SMUGGLER MINE	6960	4/01/04	23	8.8	9.6	9.7
SPOTTED BEAR MTN.	7000	3/23/04	31	11.4	12.6	14.1

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
SPUR PARK SNOTEL	8100	4/01/04	56	18.6	21.1	21.5
STAHL PEAK SNOTEL	6030	4/01/04	82	30.2	33.1	35.3
STEMPLE PASS	6600	3/29/04	23	7.2	9.2	10.2
STORM LAKE	7780	3/30/04	36	11.8	12.9	13.3
STRYKER BASIN	6180	3/25/04	68	26.8	27.9	31.9
STUART MOUNTAIN SNTL	7400	4/01/04	68	24.5	31.9	34.2
SUCKER CREEK	3960	3/29/04	0	.0	.0	.4
TAYLOR ROAD	4080	3/29/04	0	.0	.0	1.7
TEN MILE LOWER	6600	3/25/04	17	4.8	7.8	7.0
TEN MILE MIDDLE	6800	3/25/04	28	8.3	11.2	11.4
TEPEE CREEK SNOTEL	8000	4/01/04	40	13.2	10.6	13.5
TIMBERLINE CREEK	8850	3/25/04	36	9.3	15.7	14.2
TIZER BASIN SNOTEL	6840	4/01/04	24	7.9	9.4	10.3
TRAIL CREEK	7090	3/28/04	15	4.0	11.5	8.5
TRINKUS LAKE	6100	3/23/04	79	33.0	38.2	42.0
TRUMAN CREEK	4060	3/30/04	5	1.5	2.4	3.7
TV MOUNTAIN	6800	3/29/04	40	15.4	16.1	18.5
TWELVEMILE SNOTEL	5600	4/01/04	30	12.0	17.0	17.5
TWENTY-ONE MILE	7150	3/28/04	36	14.0	12.4	16.9
TWIN CREEKS	3580	3/23/04	26	9.5	6.7	9.6
TWIN LAKES SNOTEL	6400	4/01/04	82	38.3	45.0	39.7
UPPER HOLLAND LAKE	6200	3/23/04	70	29.4	35.3	34.6
WALDRON SNOTEL	5600	4/01/04	26	8.8	10.7	10.8
WARM SPRINGS SNOTEL	7800	4/01/04	54	19.3	23.6	21.2
WEASEL DIVIDE	5450	4/01/04	70	29.2	26.7	32.9
WEST YELL'ST SNOTEL	6700	4/01/04	20	8.2	6.5	12.8
WHISKEY CREEK SNOTEL	6800	4/01/04	44	16.3	11.2	17.4
WHITE MILL SNOTEL	8700	4/01/04	56	17.8	26.8	24.6
WHITE PINE RIDGE	8850	3/28/04	15	4.4	5.6	6.0
WILLOW CREEK	6500	3/26/04	17	4.4	9.2	8.1
WOOD CREEK SNOTEL	5960	4/01/04	19	7.0	8.1	10.0
WRONG CREEK	5700	3/28/04	23	8.3	10.4	12.3
WRONG RIDGE	6800	3/29/04	31	11.4	14.3	18.0

Montana Water Supply Outlook Report as of April 1, 2004

March mountain precipitation was severely below average to below average. This follows February where precipitation was also well below average. Snowpack percent of average values decreased by an average of 17 percent from March 1. This is a very significant decrease and is attributed to well below average March snowfall and very warm temperatures. There has been record high March snowmelt rates, record high low temperatures and some record high temperatures recorded at the 124 SNOTEL sites in Montana and northern Wyoming. The high temperatures has caused the snowpack to warm prematurely. This premature warming will potentially allow the snowpack to melt much earlier and could cause streamflows to reach critically low flows much earlier than average and possibly much earlier than last year. Much of the snowmelt that has occurred has gone into the soil and has not occurred as surface runoff.

Snowpack

As of APRIL 1, mountain snow water contents statewide were 78 percent of average and 84 percent of last year. West of the Divide snowpack was 80 percent of average and 87 percent of last year. East of the Divide snowpack was 75 percent of average and 77 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR	MARCH % CHANGE
COLUMBIA	80	87	-13
KOOTENAI, MONTANA	84	99	-12
KOOTENAI, CANADA	83	100	0
FLATHEAD, MONTANA	79	91	-12
FLATHEAD, CANADA	86	104	-13
UPPER CLARK FORK	77	74	-15
BITTERROOT	82	74	-11
LOWER CLARK FORK	83	98	-14
MISSOURI	79	86	-18
MISSOURI HEADWATERS	79	85	-17
JEFFERSON	77	78	-16
MADISON	86	108	-17
GALLATIN	79	87	-15
MISSOURI MAINSTEM	79	87	-20
HEADWATERS MAINSTEM	76	75	-14
SMITH-JUDITH-MUSSELSHELL	86	88	-20
SUN-TETON-MARIAS	73	89	-9
MILK (Bearpaw Mtns.)	73	215	-95
ST. MARY	71	81	-17
ST. MARY & MILK	72	90	-41
YELLOWSTONE	69	66	-19
UPPER YELLOWSTONE	68	66	-17
LOWER YELLOWSTONE	67	65	-20
WIND	64	67	-19
SHOSHONE	62	59	-12
BIGHORN	69	67	-15
TONGUE	70	61	-25
POWDER	73	70	-28

Precipitation

March mountain and valley precipitation across the state was 55 percent of average and 35 percent of last year, while the water year precipitation was 87 percent of average and 95 percent of last year. West of the Continental Divide, March mountain and valley precipitation was 63 percent of average and 33 percent of last year and the water year precipitation was 85 percent of average and 92 percent of last year. East of the Divide, March mountain and valley precipitation was 50 percent of average and 36 percent of last year and the water year precipitation was 88 percent of average and 98 percent of last year.

RIVER BASIN	MARCH % OF AVERAGE	WATER YEAR % OF AVERAGE
COLUMBIA	63	85
KOOTENAI	61	88
FLATHEAD	69	85
UPPER CLARK FORK	64	86
BITTERROOT	70	89
LOWER CLARK FORK	56	84
MISSOURI	52	90
JEFFERSON	51	85
MADISON	47	93
GALLATIN	52	86
MISSOURI MAINSTEM	57	93
SMITH-JUDITH-MUSSELSHELL	54	99
SUN-TETON-MARIAS	67	82
MILK	32	116
ST. MARY	71	82
YELLOWSTONE	43	81
UPPER YELLOWSTONE	43	81
LOWER YELLOWSTONE	44	81

Reservoirs

Major reservoir storages statewide were 85 percent of average and 90 percent of last year. Reservoir storage west of the Continental Divide was 143 percent of average and 92 percent of last year. East of the Continental Divide, reservoir storage was 71 percent of average and 90 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	143	92
KOOTENAI	191	95
FLATHEAD	117	89
UPPER CLARK FORK	98	92
BITTERROOT	96	97
LOWER CLARK FORK	116	97
MISSOURI	70	89
JEFFERSON	42	81
MADISON	99	92
GALLATIN	138	102
MISSOURI MAINSTEM	69	89
SMITH-JUDITH-MUSSELSHELL	43	100
SUN-TETON-MARIAS	102	87
MILK	61	59
ST. MARY	75	104
YELLOWSTONE	86	108
UPPER YELLOWSTONE	112	93
LOWER YELLOWSTONE	85	109

Streamflow

With normal or above normal spring and summer rain, streamflows in most areas are expected to be near or below those experienced last year. Actual streamflows will now depend upon how the remaining snowpack melts and the timing and amount of rainfall received.

State-wide streamflow forecasts average 64 to 77 percent. West of the Continental Divide, streamflow forecasts average 62 and 72 percent and east of the Continental Divide, average between 64 and 79 percent.

Below are averaged river basin streamflow forecast summaries for the period April 1 through July 31. THESE FORECASTS ASSUME NEAR NORMAL SPRING CONDITIONS AND DO NOT ACCOUNT FOR WELL BELOW AVERAGE (70% or less) OR WELL ABOVE AVERAGE (130% or more) SNOWMELT OR SPRING RAIN. Specific forecast probabilities are available in each individual River Basin Report.

RIVER BASIN	April-July THIS YEAR % OF AVERAGE	April-July LAST YEAR % OF AVERAGE
COLUMBIA	62 to 72	70 to 81
KOOTENAI	73 to 81	68 to 77
FLATHEAD	65 to 73	66 to 74
UPPER CLARK FORK	51 to 65	68 to 84
BITTERROOT	64 to 73	91 to 100
LOWER CLARK FORK	64 to 71	67 to 75
MISSOURI	62 to 79	48 to 62
JEFFERSON	61 to 79	42 to 58
MADISON	89 to 95	63 to 69
GALLATIN	75 to 85	60 to 70
MISSOURI MAINSTEM	65 to 80	52 to 67
SMITH-JUDITH-MUSSELSHELL	76 to 92	39 to 47
SUN-TETON-MARIAS	58 to 78	49 to 65
MILK	20 to 42	50 to 65
ST. MARY	78 to 84	69 to 76
YELLOWSTONE	67 to 79	64 to 75
UPPER YELLOWSTONE	75 to 85	70 to 81
LOWER YELLOWSTONE	56 to 70	55 to 67

Surface Water Supply Index

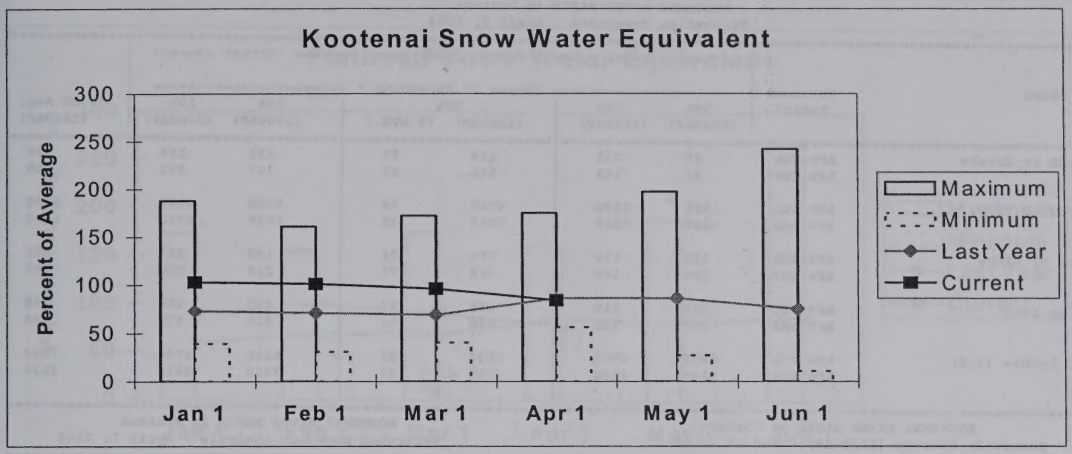
The Surface Water Supply Index (SWSI) is an indicator of surface water supply conditions for the spring and summer months. Water users that rely on mountain precipitation can use the index to evaluate seasonal surface water supplies. The SWSI accounts for mountain snowpack, mountain precipitation, streamflow, reservoir storage, and soil moisture.

SWSI RATING	SURFACE WATER CONDITION
+3.0 to +4.0	Extremely Wet
+2.0 to +3.0	Moderately Wet
+1.0 to +2.0	Slightly Wet
-1.0 to +1.0	Near Average
-1.0 to -2.0	Slightly Dry
-2.0 to -3.0	Moderately Dry
-3.0 to -4.0	Extremely Dry

This Year SWSI	Last Year SWSI	Basin
-0.9	-2.3	Tobacco River
-1.3	-1.4	Kootenai Ft. Steele to Libby Dam
+0.7	+1.3	Kootenai River below Libby Dam
-1.5	-1.9	Fisher River
-1.3	-1.9	Yaak River
-1.5	-2.5	North Fork Flathead River
-2.1	-2.7	Middle FORK Flathead River
-1.2	-1.8	South Fork Flathead River
-1.8	-2.5	Flathead River at Columbia Falls
-1.8	-2.7	Stillwater/Whitefish Rivers
-2.4	-2.8	Swan River
-2.3	-2.4	Flathead River at Polson
-2.0	-1.1	Mission Valley
-3.9	-1.5	Little Bitterroot River
-1.4	-1.3	Clark Fork River above Milltown
-2.3	-1.8	Blackfoot River
-2.2	+0.3	Bitterroot River
-2.7	-1.0	Clark Fork River below Bitterroot River
-2.4	-1.9	Clark Fork River below Flathead River
-3.7	-4.0	Beaverhead River
-3.4	-3.0	Ruby River
-2.0	-1.7	Big Hole River
-2.1	-1.2	Boulder River (Jefferson)
-2.6	-1.4	Jefferson River
-1.5	-1.6	Madison River
-1.5	-2.1	Gallatin River
-1.6	-2.4	Missouri River above Canyon Ferry
-1.6	-1.7	Missouri River below Canyon Ferry
-1.5	-1.3	Smith River
-1.9	-3.5	Sun River
-1.7	-1.3	Teton River
-2.5	-1.3	Birch/Dupuyer Creeks
-2.2	-1.5	Marias River above Tiber
-1.9	+0.1	Marias River below Tiber
-1.2	-2.7	Musselshell River
-1.2	-0.3	Missouri River above Ft. Peck
-4.0	-2.8	Missouri River below Ft. Peck
-3.4	-1.1	Milk River
-3.3	-2.0	Dearborn River near Craig
-1.9	-1.3	Yellowstone River above Livingston
-2.9	-1.6	Shields River
-2.2	-2.5	Boulder River (Yellowstone)
-2.2	-2.4	Stillwater River
-2.6	+1.2	Rock/Red Lodge Creeks
-1.9	-2.0	Clarks Fork River
-2.0	-1.7	Yellowstone River above Bighorn River
-2.8	-2.9	Bighorn River below Bighorn Lake
-2.8	-1.8	Little Bighorn River
-2.4	-2.2	Yellowstone River below Bighorn River
-3.1	-2.3	Tongue River
-1.9	-1.7	Powder River

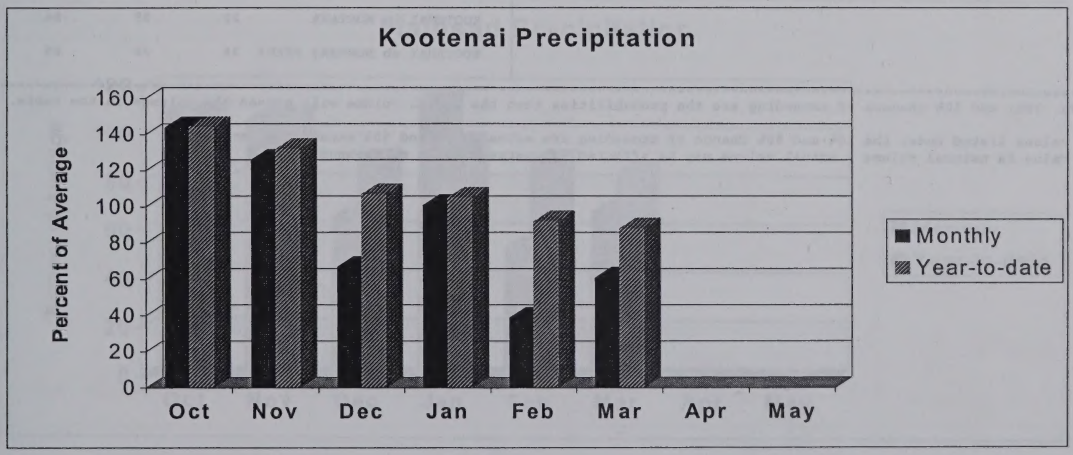
Kootenai River Basin in Montana

Snowpack conditions in the Kootenai River Basin were below above average and decreased 13 percent during March. Snow water content was 80 percent of average and 87 percent of last year. Snowpack in the Kootenay in Canada were below average. Snow water content was 83 percent of average and 100 percent of last year.



January maximum swe was established in 1997 and minimum was in 1977; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1974 and minimum swe was in 2001; May maximum swe was in 1974 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during March was 61 percent of average and 32 percent of last year. Valley precipitation during March was 54 percent of average and 27 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 88 percent of average and 100 percent of last year.



Lake Koocanusa storage was 191 percent of average and 95 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 73 to 81 percent.

Surface Water Supply Index (SWSI) was -0.9 in the Tobacco River; -1.3 in the Kootenai Ft. Steele to Libby Dam; +0.7 in the Kootenai River below Libby Dam; -1.5 in the Fisher River; and -1.3 in the Yaak River.

KOOTENAI RIVER BASIN in Montana
Streamflow Forecasts - April 1, 2004

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
TOBACCO RIVER nr Eureka	APR-JUL	81	103	118	87	133	155	136
	APR-SEP	88	113	130	87	147	172	150
LIBBY RES Inflow (1,2)	APR-JUL	3490	4380	4790	85	5200	6090	5640
	APR-SEP	4330	5220	5630	85	6040	6930	6640
FISHER RIVER nr Libby	APR-JUL	109	148	174	76	199	239	230
	APR-SEP	120	160	188	77	218	258	245
YAAK RIVER nr Troy	APR-JUL	255	315	355	76	395	455	465
	APR-SEP	265	325	370	76	415	475	490
KOOTENAI at Leonia (1,2)	APR-JUL	4920	5550	5830	83	6110	6740	7040
	APR-SEP	5150	6240	6730	83	7220	8310	8120

KOOTENAI RIVER BASIN in Montana
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE KOOCANUSA	5748.0	3323.0	3512.0	1743.7

KOOTENAI RIVER BASIN in Montana
Watershed Snowpack Analysis - April 1, 2004

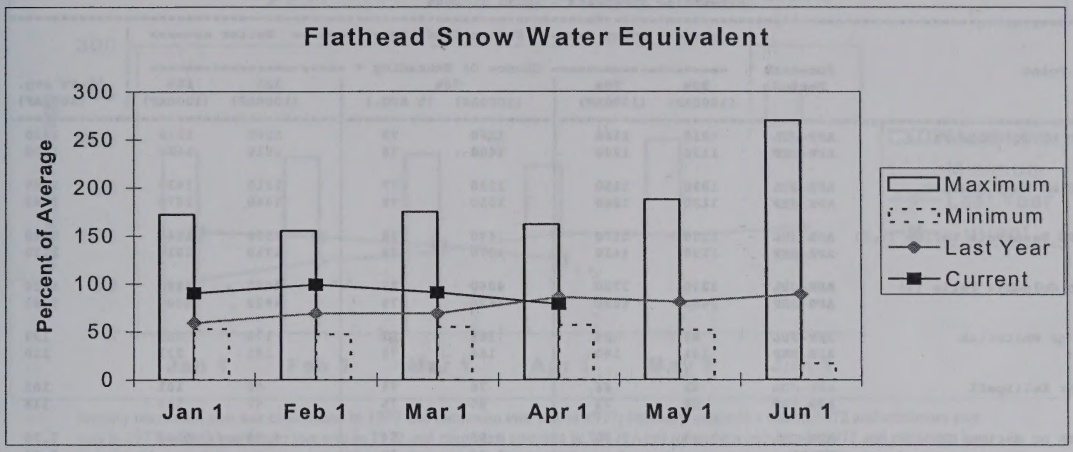
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
KOOTENAY in CANADA	13	98	84
KOOTENAI MAINTSTEM	8	95	88
TOBACCO	3	98	88
FISHER	5	103	82
YAAK	8	99	80
KOOTENAI in MONTANA	23	99	84
KOOTENAI ab BONNERS FERRY	36	98	84

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

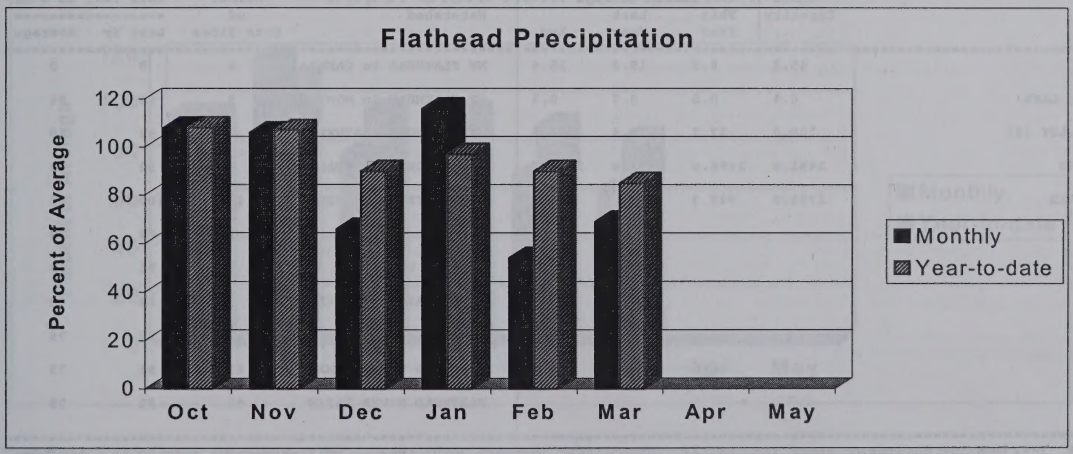
Flathead River Basin

Snowpack conditions in the Flathead River Basin were below average and decreased 12 percent during March. Snow water content was 79 percent of average and 91 percent of last year. Snowpack in the Flathead of Canada were below average and decreased 13 percent during March. Snow water content was 86 percent of average and 104 percent of last year.



January maximum swe was established in 1997 and minimum was in 2001; February maximum swe was in 1972 and minimum was in 2001; March maximum swe was in 1972 and minimum was in 2001; April maximum swe was in 1972 and minimum was in 2001; May maximum swe was in 1972 and minimum was in 1992; and June maximum swe was in 1974 and minimum was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during March was 70 percent of average and 37 percent of last year. Valley precipitation during March was 43 percent of average and 27 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 85 percent of average and 101 percent of last year.



Combined Camas reservoir storage was 37 percent of average and 50 percent of last year; Lower Jocko Lake was 0 percent of average and 0 percent of last year; combined Mission Valley reservoir storage was 71 percent of average and 94 percent of last year; Hungry Horse storage was 130 percent of average and 104 percent of last year; and Flathead Lake storage was 88 percent of average and 57 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 65 to 73 percent.

Surface Water Supply Index (SWSI) was -1.5 in the North Fork Flathead River; -2.1 in the Middle Fork Flathead River; -1.2 in the South Fork Flathead River; -1.8 in the Flathead River at Columbia Falls; -1.8 in the Stillwater/Whitefish Rivers; -2.4 in the Swan River; -2.3 in the Flathead River at Polson; -2.0 in the Mission Valley; and -3.9 in the Little Bitterroot River.

FLATHEAD RIVER BASIN
Streamflow Forecasts - April 1, 2004

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
NF FLATHEAD nr Columbia Falls	APR-JUL	1010	1160	1260	78	1360	1510	1620
	APR-SEP	1130	1290	1400	78	1510	1670	1800
MF FLATHEAD nr West Glacier	APR-JUL	1030	1150	1230	77	1310	1430	1590
	APR-SEP	1130	1260	1350	78	1440	1570	1740
HUNGRY HORSE Reservoir Inflow (1,2)	APR-JUL	1120	1370	1480	74	1590	1840	2000
	APR-SEP	1130	1430	1570	74	1710	2010	2120
FLATHEAD at Columbia Falls (2)	APR-JUL	3230	3720	4060	76	4400	4890	5350
	APR-SEP	3440	4020	4420	76	4820	5400	5820
STILLWATER nr Whitefish	APR-JUL	89	124	148	77	170	205	192
	APR-SEP	101	140	166	79	191	231	210
WHITEFISH nr Kalispell	APR-JUL	51	66	76	75	86	101	101
	APR-SEP	56	73	85	75	97	114	114
ASHLEY CREEK nr Marion (2)	APR-JUL	1.45	2.90	3.90	54	4.90	6.40	7.20
	APRIL			1.88	70			2.70
SWAN RIVER nr Bigfork	APR-JUL	290	355	400	71	445	510	565
	APR-SEP	360	425	470	73	515	580	645
Flathead Lake inflow (1,2)	APR-JUL	3720	4390	4700	76	5010	5680	6180
	APR-SEP	3720	4670	5100	76	5530	6480	6700

FLATHEAD RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CAMAS (4)	45.2	9.5	19.0	25.4
LOWER JOCKO LAKE	6.4	0.0	0.0	0.1
MISSION VALLEY (8)	100.0	27.7	29.4	38.8
HUNGRY HORSE	3451.0	2456.0	2355.0	1886.7
FLATHEAD LAKE	1791.0	649.3	1145.0	738.5

FLATHEAD RIVER BASIN
Watershed Snowpack Analysis - April 1, 2004

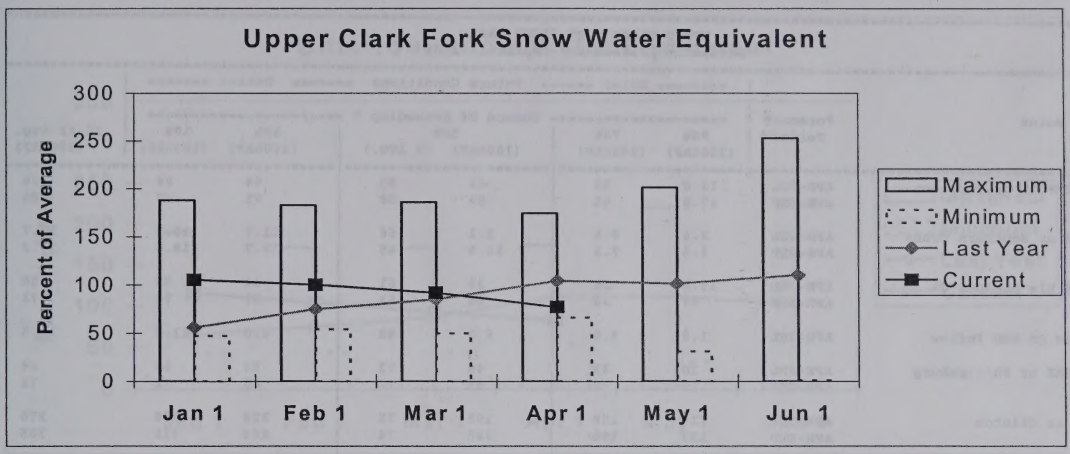
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
NF FLATHEAD in CANADA	0	0	0
NF FLATHEAD in MONTANA	9	94	84
MIDDLE FORK FLATHEAD	7	92	80
SOUTH FORK FLATHEAD	9	92	82
STILLWATER-WHITEFISH	10	100	80
SWAN	9	89	79
MISSION VALLEY	5	91	79
LITTLE BITTERROOT-ASHLEY	6	89	60
JOCKO	5	89	79
FLATHEAD in MONTANA	43	91	79
FLATHEAD RIVER BASIN	43	91	79

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

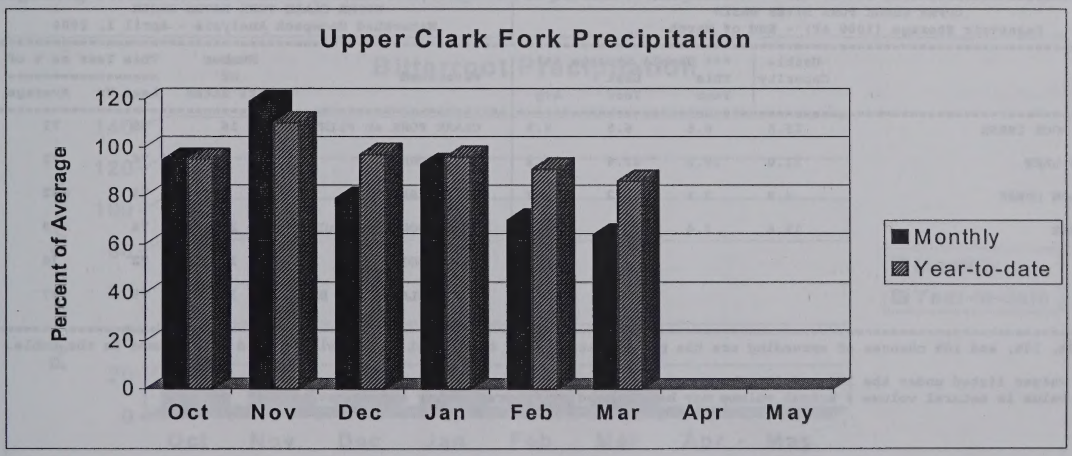
Upper Clark Fork River Basin

Snowpack conditions in the Upper Clark Fork River Basin were below average and decreased 15 percent during March. Snow water content was 104 percent of average and 114 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum was in 1994; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during March was 64 percent of average and 35 percent of last year. Valley precipitation during March was 56 percent of average and 38 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 86 percent of average and 87 percent of last year.



East Fork Rock Creek storage was 66 percent of average and 100 percent of last year; Georgetown Lake was 111 percent of average and 99 percent of last year; Lower Willow Creek was 97 percent of average and 74 percent of last year; and Nevada Creek storage was 98 percent of average and 92 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 51 to 65 percent.

Surface Water Supply Index (SWSI) was -1.4 in the Clark Fork River above Milltown; and -2.3 in the Blackfoot River.

UPPER CLARK FORK RIVER BASIN
Streamflow Forecasts - April 1, 2004

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LITTLE BLACKFOOT nr Garrison	APR-JUL	12.0	34	49	65	64	86	76
	APR-SEP	17.0	41	57	68	73	97	84
FLINT CREEK nr Southern Cross	APR-JUL	2.6	6.5	9.1	66	11.7	15.6	13.7
	APR-SEP	2.5	7.3	10.5	65	13.7	18.6	16.2
FLINT CREEK blw Boulder Ck	APR-JUL	18.8	28	34	61	44	59	56
	APR-SEP	27	38	45	63	57	74	71
LOWER WILLOW CK RES Inflow	APR-JUL	1.0	4.0	6.0	48	8.0	11.0	12.5
MF ROCK CREEK nr Philipsburg	APR-JUL	30	39	46	72	53	62	64
	APR-SEP	35	46	53	74	60	71	72
ROCK CREEK nr Clinton	APR-JUL	110	158	193	72	228	278	270
	APR-SEP	133	190	225	74	260	315	305
CLARK FORK abv Milltown	APR-JUL	160	315	415	69	515	670	605
	APR-SEP	195	365	480	68	595	765	705
NEVADA CREEK nr Helmville	APR-JUL	2.5	6.7	9.6	56	12.5	16.3	17.3
BLACKFOOT RIVER nr Bonner	APR-JUL	365	485	570	71	655	780	805
	APR-SEP	410	540	630	71	715	855	890
CLARK FORK abv Missoula	APR-JUL	665	855	985	70	1115	1305	1410
	APR-SEP	770	980	1120	70	1260	1470	1600

UPPER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
EAST FORK ROCK CREEK	15.6	6.5	6.5	9.9
GEORGETOWN LAKE	31.0	29.2	29.6	26.2
LOWER WILLOW CREEK	4.9	2.3	3.2	2.7
NEVADA CREEK	12.6	7.4	10.0	7.6

UPPER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - April 1, 2004

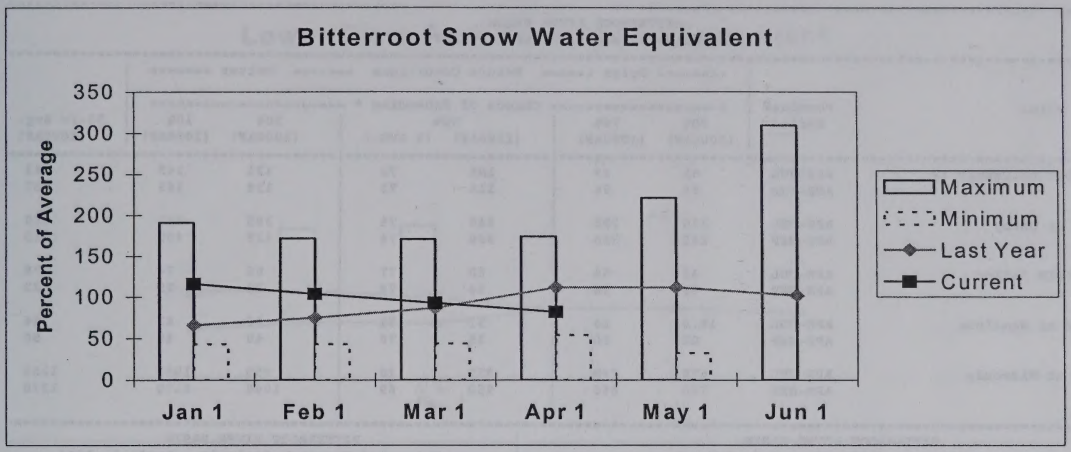
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
CLARK FORK ab FLINT CREEK	16	75	79
FLINT CREEK	7	76	77
ROCK CREEK	6	76	82
CLARK FORK ab BLACKFOOT	25	74	79
BLACKFOOT	16	72	74
UPPER CLARK FORK BASIN	39	75	77

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

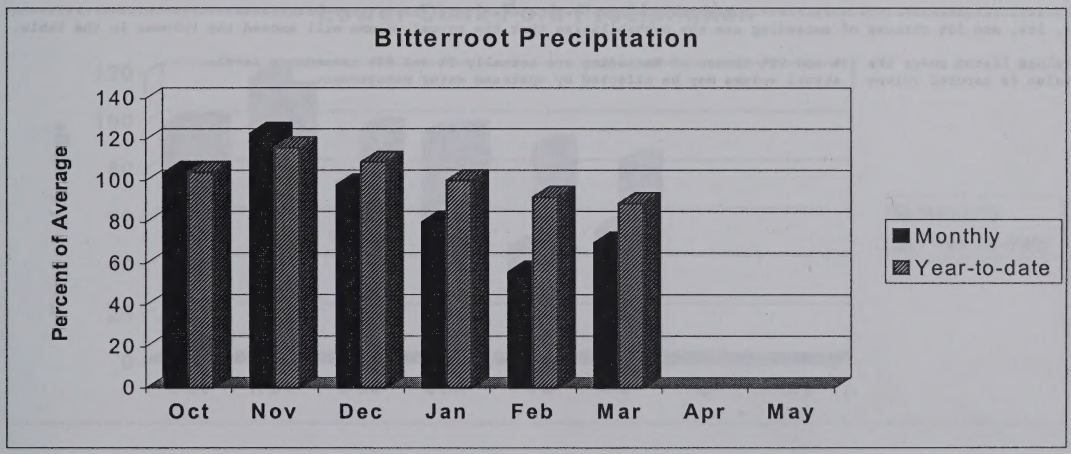
Bitterroot River Basin

Snowpack conditions in the Bitterroot River Basin were below average and decreased 11 percent during March. Snow water content was 82 percent of average and 74 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 2001; May maximum swe was in 1972 and minimum swe was in 1987; and June maximum swe was 1972 and 1974 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain precipitation during March was 72 percent of average and 33 percent of last year. Valley precipitation during March was 50 percent of average and 24 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 89 percent of average and 82 percent of last year.



Painted Rocks Lake storage was 119 percent of average and 98 percent of last year and Como storage was 81 percent of average and 96 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 64 to 73 percent.

Surface Water Supply Index (SWSI) was -2.2 in the Bitterroot River.

BITTERROOT RIVER BASIN
Streamflow Forecasts - April 1, 2004

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
WF BITTERROOT nr Conner (2)	APR-JUL	65	89	105	73	121	145	143
	APR-SEP	69	96	115	73	134	163	157
BITTERROOT nr Darby	APR-JUL	230	295	340	74	385	450	460
	APR-SEP	265	335	380	74	425	495	515
COMO RESERVOIR Inflow	APR-JUL	46	54	60	77	66	74	78
	APR-SEP	49	58	64	78	70	79	82
SKALKAHO CK nr Hamilton	APR-JUL	19.0	26	31	71	36	43	44
	APR-SEP	22	30	35	70	40	48	50
BITTERROOT at Missoula	APR-JUL	670	795	875	70	955	1085	1250
	APR-SEP	730	860	950	69	1040	1170	1370

BITTERROOT RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
PAINTED ROCKS LAKE	31.7	11.4	11.6	9.6
COMO	34.9	12.6	13.1	15.5

BITTERROOT RIVER BASIN
Watershed Snowpack Analysis - April 1, 2004

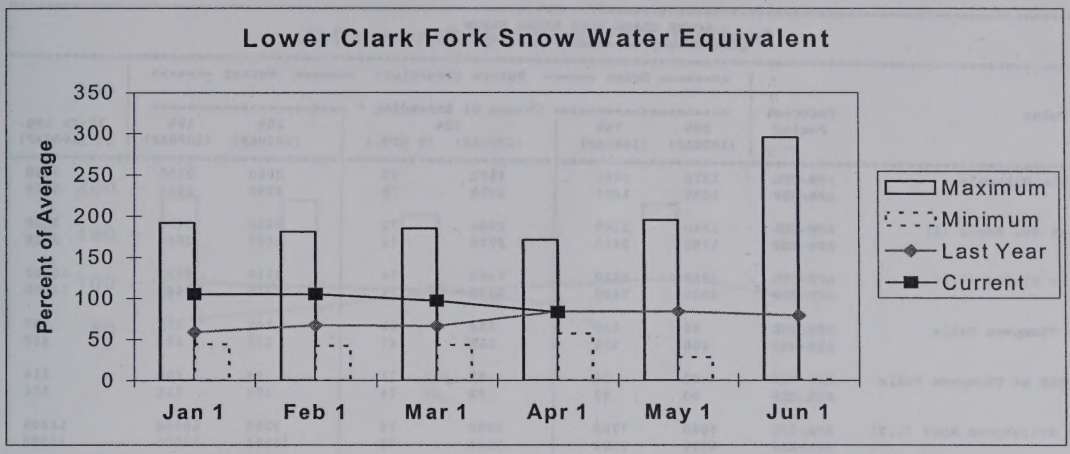
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WEST FORK BITTERROOT	3	68	77
EAST SIDE BITTERROOT	6	67	78
WEST SIDE BITTERROOT	4	81	87
BITTERROOT RIVER BASIN	12	74	82

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

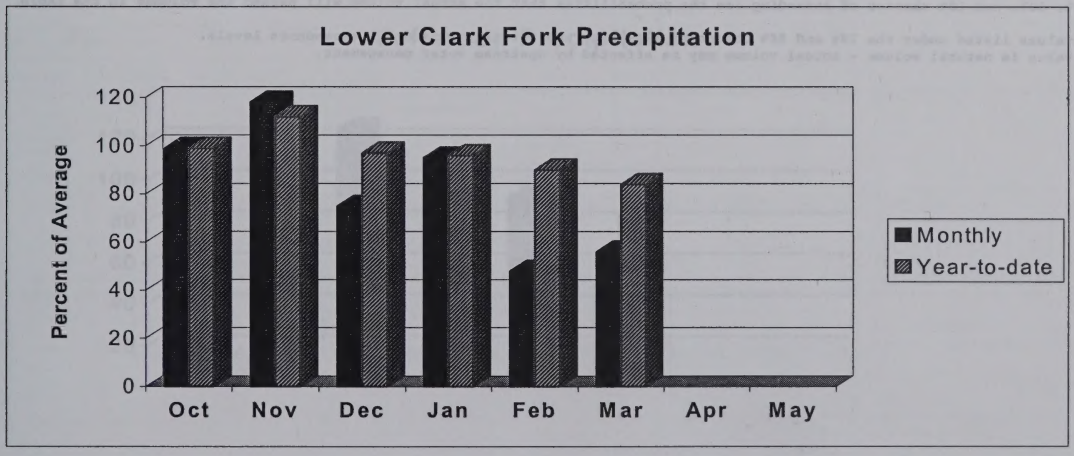
Lower Clark Fork River Basin

Snowpack conditions in the Lower Clark Fork River Basin were below average and decreased 14 percent during March. Snow water content was 83 percent of average and 98 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1972 and minimum swe was in 1981; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1977. Average is for the period 1971 through 2000.

Mountain precipitation during March was 58 percent of average and 28 percent of last year. Valley precipitation during March was 45 percent of average and 26 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 84 percent of average and 91 percent of last year.



Noxon Rapids storage was 120 percent of average and 100 percent of last year.

Surface Water Supply Index (SWSI) was -1.0 in the Clark Fork River below Bitterroot River and -1.9 in the Clark Fork River below Flathead River.

LOWER CLARK FORK RIVER BASIN
Streamflow Forecasts - April 1, 2004

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
CLARK FORK blw Missoula	APR-JUL	1370	1660	1860	70	2060	2350	2660
	APR-SEP	1530	1850	2070	70	2290	2610	2960
CLARK FORK at St. Regis (1)	APR-JUL	1540	2200	2500	71	2800	3460	3520
	APR-SEP	1700	2440	2770	71	3100	3840	3910
CLARK FORK nr Plains (1,2)	APR-JUL	5390	6810	7460	74	8110	9530	10100
	APR-SEP	5920	7490	8200	74	8910	10480	11100
THOMPSON nr Thompson Falls	APR-JUL	89	115	133	65	149	179	205
	APR-SEP	108	135	153	67	173	198	230
PROSPECT CREEK at Thompson Falls	APR-JUL	62	76	85	73	94	108	116
	APR-SEP	68	82	92	74	102	116	124
CLARK FK at Whitehorse Rpds (1,2)	APR-JUL	6040	7700	8450	75	9200	10860	11300
	APR-SEP	6700	8520	9350	75	10180	12000	12500

LOWER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
NOXON RAPIDS	335.0	316.9	327.2	272.9

LOWER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - April 1, 2004

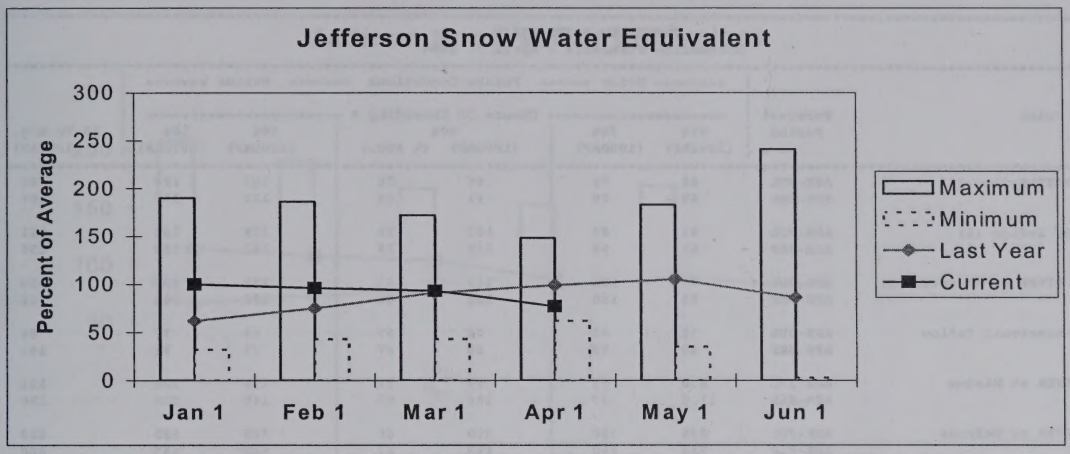
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
LOWER CLARK FORK BASIN	14	98	83

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

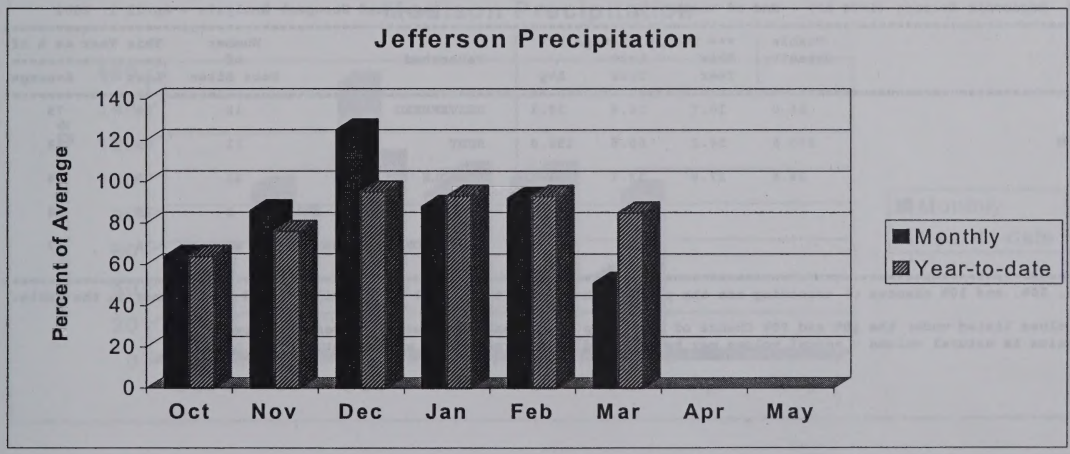
Jefferson River Basin

Snowpack conditions in the Jefferson River Basin were below average and decreased 16 percent during March. Snow water content was 77 percent of average and 78 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during March was 52 percent of average and 40 percent of last year. Valley precipitation during March was 51 percent of average and 41 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 85 percent of average and 94 percent of last year.



Lima storage was 27 percent of average and 64 percent of last year; Clark Canyon storage was 36 percent of average and 83 percent of last year; and Ruby River storage was 88 percent of average and 87 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 61 to 79 percent.

Surface Water Supply Index (SWSI) was -3.7 in the Beaverhead River; -3.4 in the Ruby River; -2.0 in the Big Hole River; -2.1 in the Boulder River; and -2.6 in the Jefferson River as a whole.

JEFFERSON RIVER BASIN
Streamflow Forecasts - April 1, 2004

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LIMA RESERVOIR Inflow (2)	APR-JUL	48	71	86	90	101	124	96
	APR-SEP	49	75	93	89	111	137	104
CLARK CANYON Inflow (2)	APR-JUL	64	87	103	79	119	142	131
	APR-SEP	67	98	119	76	140	169	156
BEAVERHEAD RIVER at Barretts (2)	APR-JUL	75	115	143	85	171	209	168
	APR-SEP	82	130	162	81	196	241	200
RUBY RIVER Reservoir Inflow	APR-JUL	35	48	56	67	64	77	84
	APR-SEP	45	59	68	67	77	91	101
BIG HOLE RIVER at Wisdom	APR-JUL	8.0	62	99	82	136	188	121
	APR-SEP	11.0	67	106	82	145	202	130
BIG HOLE RIVER nr Melrose	APR-JUL	205	320	400	66	480	595	610
	APR-SEP	235	360	445	67	530	655	660
BOULDER RIVER nr Boulder	APR-JUL	16.0	43	61	78	79	106	78
	APR-SEP	18.0	47	67	79	87	116	85
WILLOW CREEK Reservoir Inflow	APR-JUL	5.6	12.4	17.0	95	22	29	17.9
	APR-SEP	6.0	13.9	19.3	97	24	32	20
JEFFERSON RIVER nr Three Forks (2)	APR-JUL	275	435	545	70	655	815	780
	APR-SEP	315	485	600	70	715	880	860

JEFFERSON RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LIMA	84.0	10.7	16.6	39.1
CLARK CANYON	255.6	54.2	65.5	152.0
RUBY RIVER	38.8	27.8	32.1	31.5

JEFFERSON RIVER BASIN
Watershed Snowpack Analysis - April 1, 2004

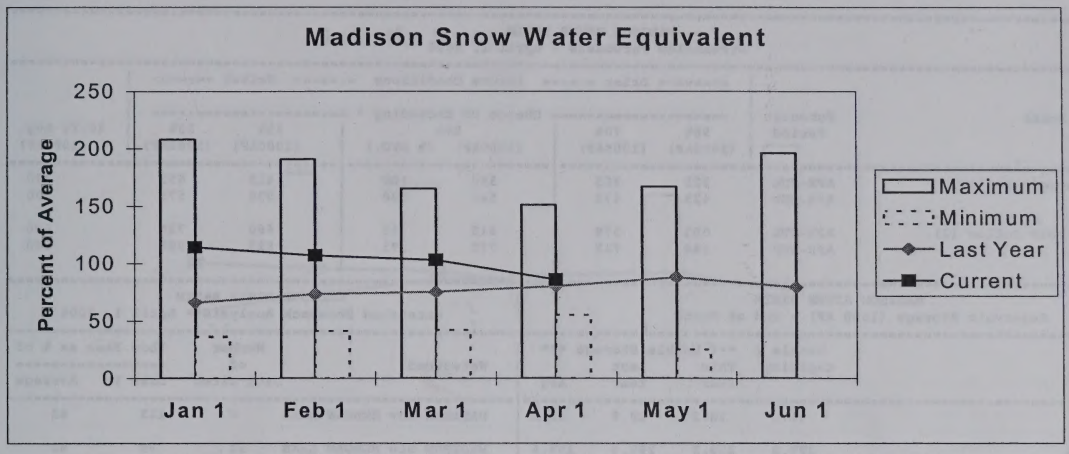
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
BEAVERHEAD	18	80	75
RUBY	11	89	83
BIGHOLE	21	70	74
BOULDER	9	75	74
JEFFERSON RIVER BASIN	49	78	77

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

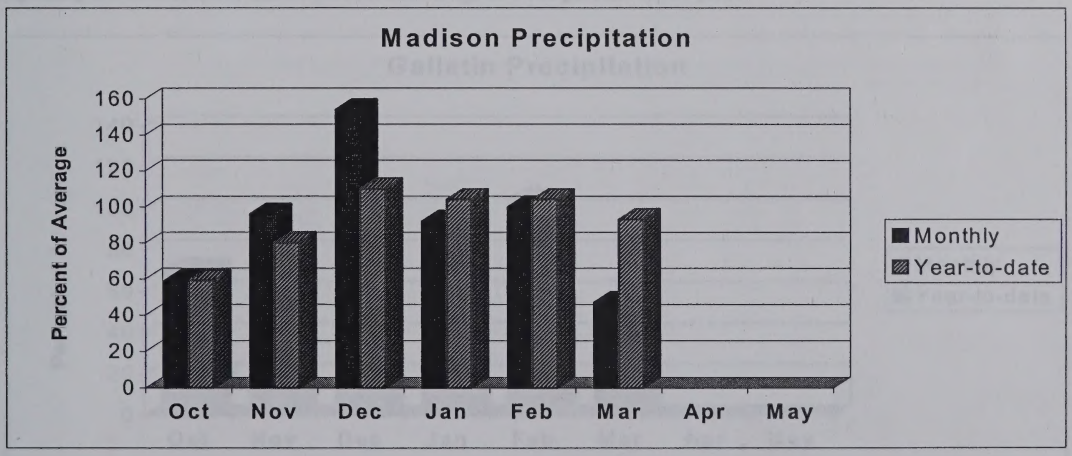
Madison River Basin

Snowpack conditions in the Madison River Basin were below average and decreased 17 percent during March. Snow water content was 86 percent of average and 108 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1997 and minimum swe was in 1977; and June maximum swe was in 1995 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during March was 47 percent of average and 45 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 93 percent of average and 115 percent of last year.



Ennis Lake storage was 90 percent of average and 94 percent of last year and Hebgen Lake storage was 99 percent of average and 92 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 89 to 95 percent.

Surface Water Supply Index (SWSI) was -1.5 for the Madison River.

MADISON RIVER BASIN
Streamflow Forecasts - April 1, 2004

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
HEBGEN Reservoir Inflow	APR-JUL	325	365	390	100	415	455	390
	APR-SEP	425	470	500	100	530	575	500
ENNIS Reservoir Inflow (2)	APR-JUL	505	570	615	90	660	725	680
	APR-SEP	640	715	770	91	825	900	850

MADISON RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
ENNIS LAKE	41.0	28.2	29.9	31.2
HEBGEN LAKE	377.5	258.3	280.4	259.6

MADISON RIVER BASIN
Watershed Snowpack Analysis - April 1, 2004

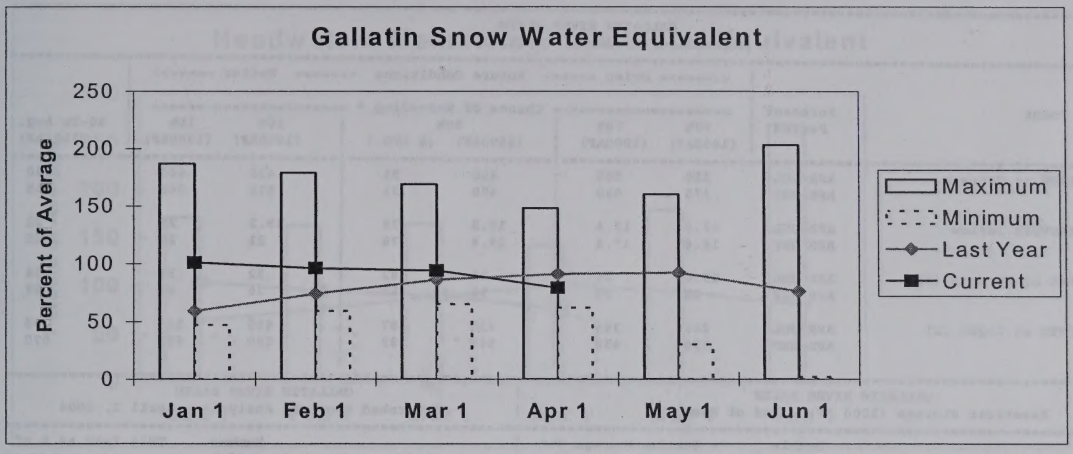
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
MADISON abv HEBGEN LAKE	6	123	88
MADISON blw HEBGEN LAKE	12	99	83
MADISON RIVER BASIN	18	107	85

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

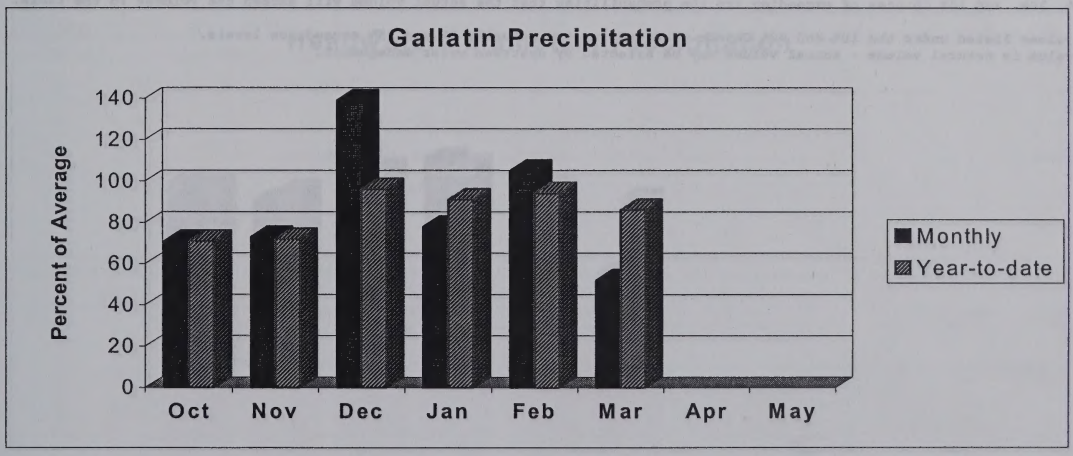
Gallatin River Basin

Snowpack conditions in the Gallatin River Basin were below average and decreased 15 percent during March. Snow water content was 79 percent of average and 87 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1966; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 2001; May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1975 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during March was 52 percent of average and 44 percent of last year. Valley precipitation during March was 49 percent of average and 46 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 86 percent of average and 100 percent of last year.



Middle Creek storage was 138 percent of average and 102 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 75 to 85 percent.

Surface Water Supply Index (SWSI) was -1.5 for the Gallatin River.

GALLATIN RIVER BASIN
Streamflow Forecasts - April 1, 2004

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GALLATIN RIVER nr Gateway	APR-JUL	320	365	400	91	435	480	440
	APR-SEP	375	430	470	91	510	565	515
HYALITE RESERVOIR Inflow	APR-JUL	12.6	15.4	17.3	79	19.2	22	22
	APR-SEP	14.4	17.4	19.4	78	21	24	25
HYALITE CREEK nr Bozeman (2)	APR-JUL	19.0	24	28	82	32	37	34
	APR-SEP	22	28	32	82	36	42	39
GALLATIN RIVER at Logan (2)	APR-JUL	265	365	430	87	495	595	495
	APR-SEP	320	430	505	89	580	690	570

GALLATIN RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MIDDLE CREEK	10.2	6.5	6.4	4.7

GALLATIN RIVER BASIN
Watershed Snowpack Analysis - April 1, 2004

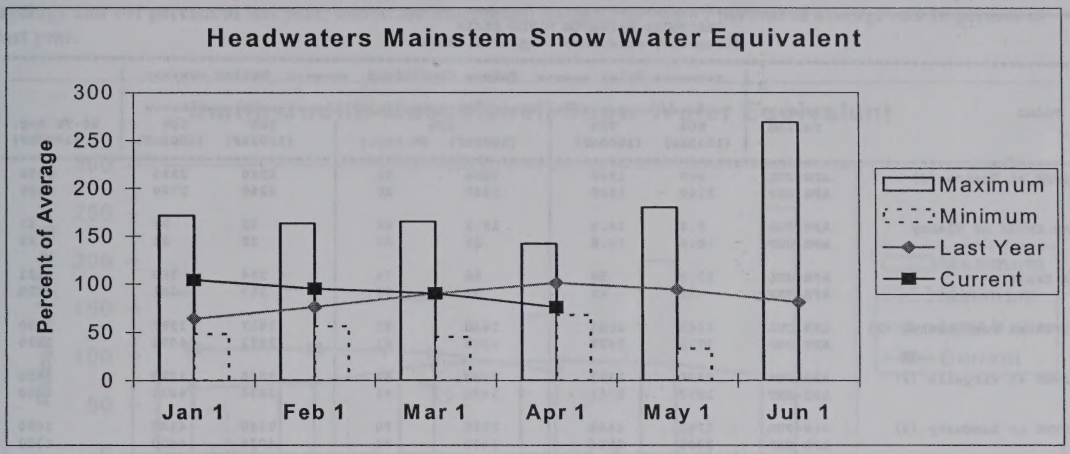
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
UPPER GALLATIN	7	100	84
HYALITE	4	73	72
BRIDGER	3	72	73
GALLATIN RIVER BASIN	14	87	79

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

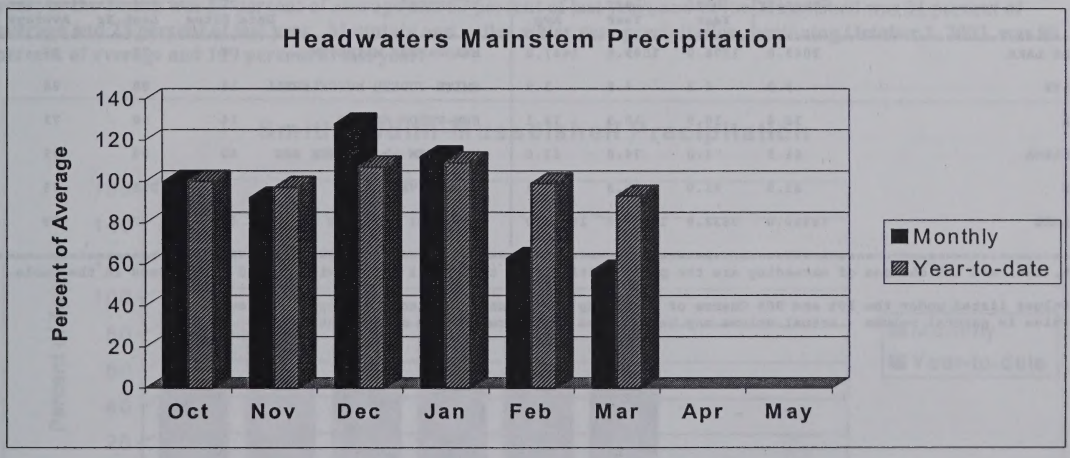
Missouri Mainstem River Basin

Snowpack conditions in the Headwaters Missouri Mainstem River Basin were below average and decreased 14 percent during March. Snow water content was 76 percent of average and 75 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1961 and 1966; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during March was 68 percent of average and 47 percent of last year. Valley precipitation during March was 57 percent of average and 42 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 93 percent of average and 100 percent of last year.



Canyon Ferry Lake storage was 94 percent of average and 87 percent of last year; Helena Valley storage was 108 percent of average and 86 percent of last year; Lake Helena storage was 83 percent of average and 100 percent of last year; Hauser & Helena storage was 118 percent of average and 100 percent of last year; Holter Lake storage was 109 percent of average and 100 percent of last year; and Fort Peck Lake storage was 66 percent of average and 89 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 65 to 80 percent.

Surface Water Supply Index (SWSI) was -1.6 in the Missouri River above Canyon Ferry; -1.6 in the Missouri River below Canyon Ferry; -1.2 in the Missouri River above Fort Peck; and -4.0 in the Missouri River below Fort Peck.

MISSOURI MAINSTEM RIVER BASIN
Streamflow Forecasts - April 1, 2004

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
MISSOURI RIVER at Toston (2)	APR-JUL	980	1380	1650	81	1920	2320	2050
	APR-SEP	1140	1600	1920	80	2240	2700	2390
PRICKLY PEAR CREEK nr Clancy	APR-JUL	9.3	14.5	18.1	86	22	27	21
	APR-SEP	10.6	16.8	21	84	25	31	25
DEARBORN nr Craig	APR-JUL	17.0	58	86	71	114	155	121
	APR-SEP	21	63	91	73	119	161	125
MISSOURI RIVER at Fort Benton (2)	APR-JUL	1441	2024	2420	81	2817	3397	2990
	APR-SEP	1731	2427	2900	81	3371	4071	3570
MISSOURI RIVER at Virgelle (2)	APR-JUL	1660	2333	2790	81	3245	3920	3450
	APR-SEP	1970	2762	3300	81	3836	4631	4060
MISSOURI RIVER nr Landusky (2)	APR-JUL	1742	2461	2950	80	3440	4160	3690
	APR-SEP	2000	2884	3460	80	4036	4920	4350
MISSOURI RIVER below Fort Peck (2)	APR-JUL	1845	2574	3070	82	3566	4296	3740
	APR-SEP	2132	2976	3550	82	4126	4971	4330
LAKE SAKAKAWEA Inflow (2)	APR-JUL	4480	6399	7690	79	8984	10130	9740
	APR-SEP	5150	7416	8900	80	10381	11650	11200

MISSOURI MAINSTEM RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CANYON FERRY LAKE	2043.0	1376.0	1589.0	1467.8
HELENA VALLEY	9.2	4.2	4.9	3.9
LAKE HELENA	10.4	10.9	10.9	13.1
HAUSER & HELENA	61.9	74.0	74.0	62.8
HOLTER LAKE	81.9	81.0	80.8	74.1
FORT PECK LAKE	18910.0	9838.0	11040.0	14966.0

MISSOURI MAINSTEM RIVER BASIN
Watershed Snowpack Analysis - April 1, 2004

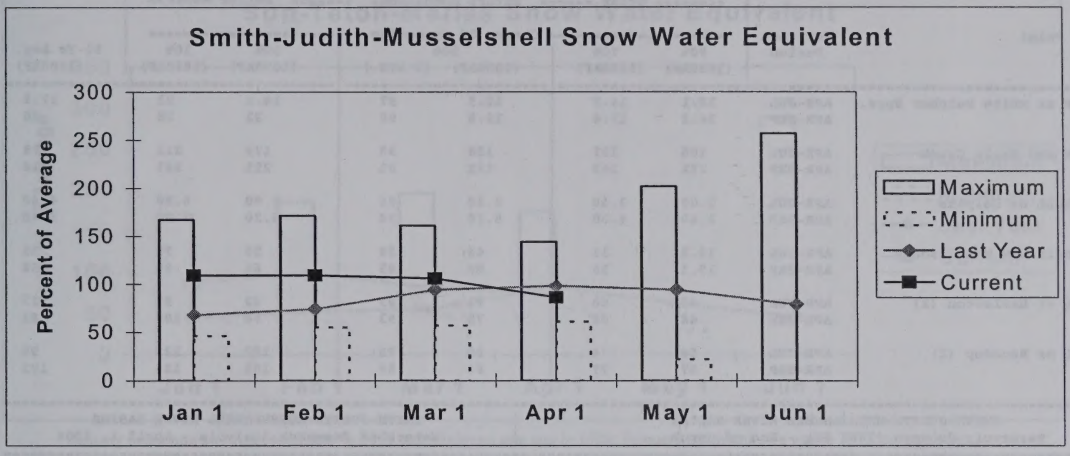
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
HEADWATERS MAINSTEM	9	75	76
SMITH-JUDITH-MUSSELSHELL	18	88	86
SUN-TETON-MARIAS	14	90	73
MAINSTEM ab FT PECK RES	40	86	79
MILK RIVER BASIN	4	215	73
MISSOURI MAINSTEM BASIN	43	87	79

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

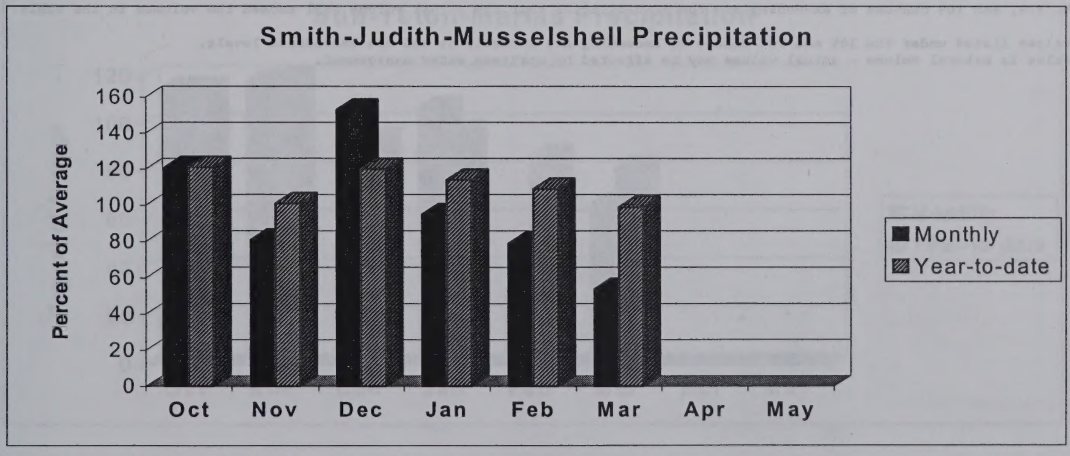
Smith-Judith-Musselshell River Basins

Snowpack conditions in the Smith-Judith-Musselshell River Basins were below average and decreased 20 percent during March. Snow water content was 86 percent of average and 88 percent of last year. Snow water content in the Smith River Basin was 82 percent of average and 88 percent of last year; in the Judith River Basin was 96 percent of average and 101 percent of last year; and in the Musselshell Basin River was 77 percent of average and 75 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1988; February maximum swe was in 1978 and minimum swe was in 1987; March maximum swe was in 1978 and minimum swe was in 1987; April maximum swe was in 1970 and minimum swe was in 1992; and May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1967 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during March in the Smith-Belts was 60 percent of average and 49 percent of last year; in the Judith was 57 percent of average and 53 percent of last year; and in the Musselshell was 31 percent of average and 23 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 99 percent of average and 109 percent of last year.



Smith River storage was 78 percent of average and 100 percent of last year; Bair storage was 60 percent of average and 96 percent of last year; Martinsdale storage was 39 percent of average and 156 percent of last year; and Deadman's Basin was 38 percent of average and 93 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 76 to 92 percent.

Surface Water Supply Index (SWSI) was -1.5 in the Smith River and -1.2 in the Musselshell River.

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Streamflow Forecasts - April 1, 2004

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
SHEEP CREEK nr White Sulphur Spgs.	APR-JUL	12.1	14.7	16.5	97	18.2	21	17.1
	APR-SEP	14.2	17.4	19.5	98	22	25	20
SMITH RIVER abv Eagle Creek	APR-JUL	105	137	158	90	179	211	175
	APR-SEP	122	163	191	91	221	261	210
NF MUSSELSHELL nr Delpine	APR-JUL	2.00	3.40	4.40	96	5.40	6.80	4.60
	APR-SEP	2.40	4.00	5.10	94	6.20	7.80	5.40
SF MUSSELSHELL abv Martinsdale	APR-JUL	13.2	33	46	89	59	79	52
	APR-SEP	15.1	36	50	89	64	85	56
MUSSELSHELL at Harlowton (2)	APR-JUL	45	60	71	92	82	97	77
	APR-SEP	48	64	75	93	86	102	81
MUSSELSHELL nr Roundup (2)	APR-JUL	54	74	88	89	102	122	99
	APR-SEP	57	77	91	89	105	125	102

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
SMITH RIVER	10.6	5.8	5.8	7.4
BAIR	7.0	2.7	2.8	4.5
MARTINSDALE	23.1	4.2	2.7	10.9
DEADMAN'S BASIN	72.2	20.7	22.2	54.2

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Watershed Snowpack Analysis - April 1, 2004

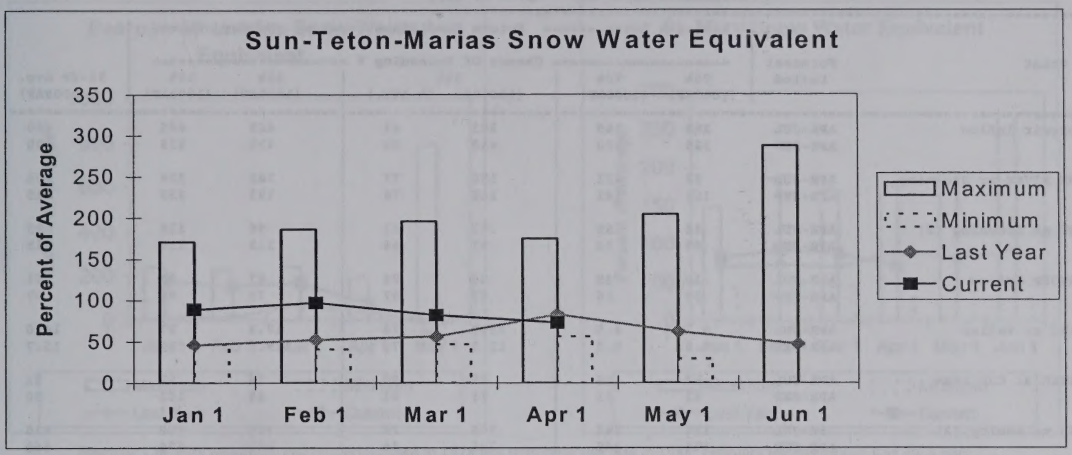
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SMITH	9	88	82
JUDITH	8	101	96
MUSSELSHELL	8	75	77
SMITH-JUDITH-MUSSELSHELL	18	88	86

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

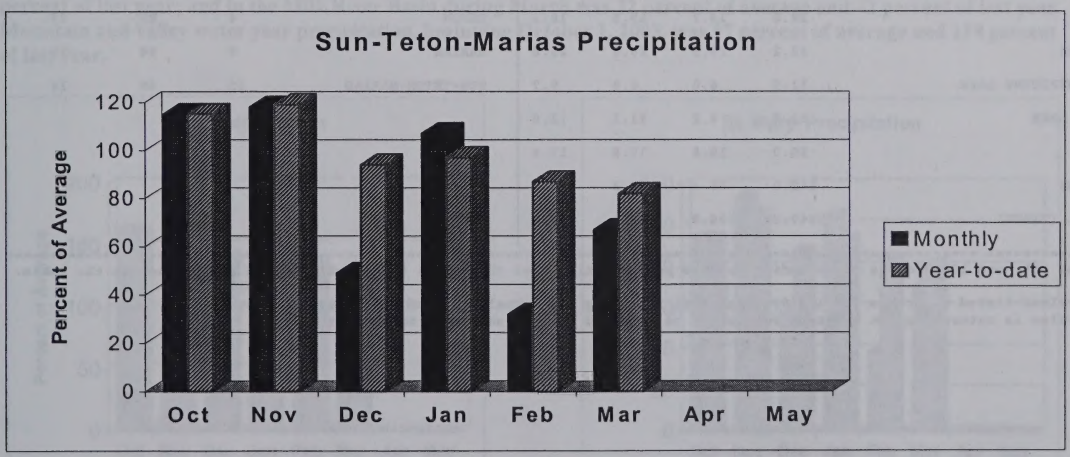
Sun-Teton-Marias River Basins

Snowpack conditions in the Sun-Teton-Marias River Basins were below average and decreased 9 percent during March. Snow water content was 74 percent of average and 89 percent of last year. Snow water content in the Sun River Basin was 69 percent of average and 84 percent of last year; in the Teton River Basin was 77 percent of average and 89 percent of last year; and in the Marias River Basin was 76 percent of average and 94 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 1984; April maximum swe was in 1972 and minimum swe was in 1984; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum was in 1972 and minimum swe was in 1987, 1992, and 1998. Average is for the period 1971 through 2000.

Mountain and valley precipitation during March in the Sun was 54 percent of average and 34 percent of last year; in the Teton was 73 percent of average and 36 percent of last year; and in the Marias was 68 percent of average and 35 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 82 percent of average and 97 percent of last year.



Gibson storage was 65 percent of average and 70 percent of last year; Pishkun storage was 102 percent of average and 96 percent of last year; Willow Creek storage was 82 percent of average and 69 percent of last year; Lower Two Medicine Lake storage was 62 percent of average and 150 percent of last year; Four Horns Lake storage was 2 percent of average and 2 percent of last year; Swift storage was 114 percent of average and 99 percent of last year; Lake Frances storage was 67 percent of average and 49 percent of last year; and Lake Elwell (Tiber) storage was 112 percent of average and 94 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 58 to 78 percent.

Surface Water Supply Index (SWSI) was -1.9 in the Sun River; -1.7 in the Teton River; -2.5 in the Birch/Dupuyer Creeks; -2.2 in the Marias above Tiber Reservoir; and -1.9 in the Marias below Tiber Reservoir.

SUN-TETON-MARIAS RIVER BASINS
Streamflow Forecasts - April 1, 2004

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GIBSON Reservoir Inflow	APR-JUL	285	345	385	84	425	485	460
	APR-SEP	325	390	430	85	470	535	505
TWO MEDICINE RIVER nr Browning	APR-JUL	92	131	158	77	185	224	205
	APR-SEP	102	141	168	78	193	233	215
BADGER CREEK nr Browning (2)	APR-JUL	48	68	82	83	96	116	99
	APR-SEP	61	82	97	84	112	133	115
SWIFT RESERVOIR Inflow	APR-JUL	30	45	56	88	67	82	64
	APR-SEP	39	56	67	87	78	95	77
DUPUYER CREEK nr Valier	APR-JUL	0.7	4.5	10.9	78	17.3	27	14.0
	APR-SEP	0.8	5.5	12.3	78	19.0	29	15.7
CUT BANK CREEK at Cut Bank	APR-JUL	38	54	65	80	76	92	81
	APR-SEP	43	61	73	81	85	103	90
MARIAS RIVER nr Shelby (2)	APR-JUL	158	245	305	74	365	450	415
	APR-SEP	175	265	325	74	385	475	440
TETON nr Dutton	APR-JUL	2.0	15.7	30	59	44	65	51
	APR-SEP	1.3	23	37	63	51	73	59

SUN-TETON-MARIAS RIVER BASINS
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
GIBSON	99.1	34.6	49.2	53.6
PISHKUN	32.0	18.7	19.5	18.3
WILLOW CREEK	32.2	19.5	28.2	23.8
LOWER TWO MEDICINE LAKE	11.9	6.0	4.0	9.7
FOUR HORNS LAKE	19.2	0.2	11.1	12.0
SWIFT	30.0	19.8	19.9	17.4
LAKE FRANCES	112.0	46.4	94.3	69.1
LAKE ELWELL (TIBER)	1347.0	720.3	764.1	645.6

SUN-TETON-MARIAS RIVER BASINS
Watershed Snowpack Analysis - April 1, 2004

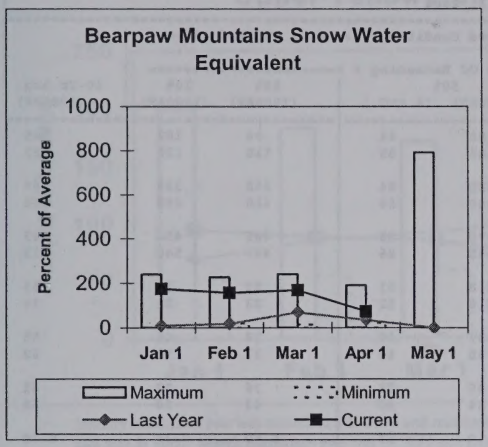
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SUN	7	84	69
TETON	4	89	77
MARIAS	6	94	76
SUN-TETON-MARIAS	15	89	74

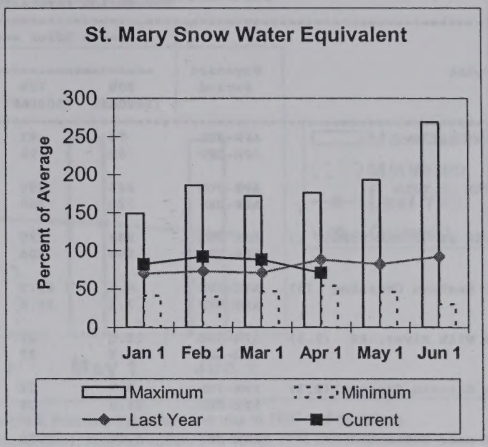
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

St. Mary and Milk River Basins

Snowpack in the Saint Mary River Basin was below average and decreased 17 percent during March. Snow water content 71 percent of average and 81 percent of last year. The Milk River Basin (Bearpaw Mountains) was below average and decreased 95 percent during March. Snow water content was 73 percent of average and 215 percent of last year.

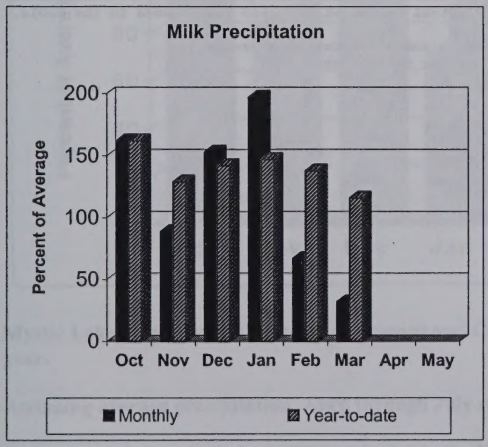


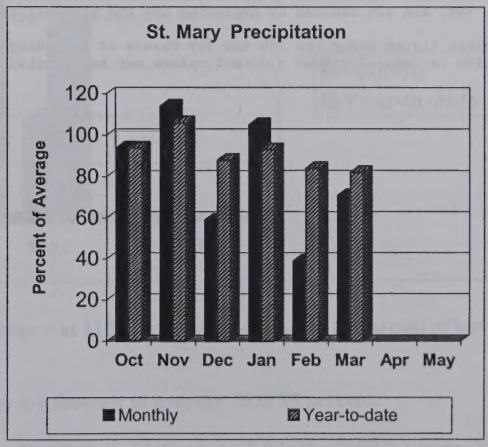


Bearpaw - January maximum swe was established in 1978 and minimum swe was in 1981; February maximum swe was 1978 and minimum was in 1973; March maximum swe was 1978 and minimum swe was 1995; April maximum swe was in 1985 and minimum swe was in 1973, 1983, and 1986; May maximum swe was 1975 and the minimum, 0.0, has occurred in several years. Average is for the period 1971 through 2000.

St. Mary - January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1967; May maximum swe was in 19972 and minimum swe was in 1977; and June maximum swe was in 1972 and minimum swe was 1992. Average is for the period 1971 through 2000.

Mountain and valley precipitation in the St. Mary River Basin during March was 71 percent of average and 34 percent of last year; and in the Milk River Basin during March was 32 percent of average and 42 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 97 percent of average and 118 percent of last year.





Assuming average precipitation, April through July streamflows are forecast to average 54 to 65 percent.

Lake Sherburne storage was 75 percent of average and 104 percent of last year; Fresno storage was 39 percent of average and 38 percent of last year; Beaver Creek storage was 104 percent of average and 67 percent of last year; and Nelson storage was 104 percent of average and 102 percent of last year.

Surface Water Supply Index (SWSI) was -3.3 for the Milk River.

ST. MARY and MILK RIVER BASINS
Streamflow Forecasts - April 1, 2004

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LAKE SHERBURNE Inflow	APR-JUL	74	82	88	84	94	102	105
	APR-SEP	88	98	104	85	110	120	122
ST. MARY RIVER nr Babb (2)	APR-JUL	265	300	325	84	350	385	385
	APR-SEP	320	360	385	86	410	450	450
ST. MARY RIVER at US/CAN Border (2)	APR-JUL	285	335	370	85	405	455	435
	APR-SEP	350	405	445	86	485	540	515
MILK RIVER @ Western Crossing (3)	APR-JUL	6.6	13.2	16.8	51	20	28	33
	APR-SEP	7.6	14.8	18.6	52	23	32	36
MILK RIVER @ Milk River, AB (2,3)	APR-JUL	11.5	21	27	49	33	46	55
	APR-SEP	12.5	23	30	48	37	52	62
MILK RIVER @ Eastern Crossing(2,3)	APR-JUL	9.7	22	30	50	36	50	61
	APR-SEP	11.8	26	34	49	42	60	69
BEAVER CREEK near Havre	APR-JUL	0.26	2.70	4.60	53	6.50	9.30	8.70

ST. MARY and MILK RIVER BASINS
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE SHERBURNE	64.3	18.7	17.9	24.8
FRESNO	127.0	28.9	75.8	75.0
BEAVER CREEK	3.5	2.6	3.9	2.5
NELSON	66.8	37.0	36.3	35.6

ST. MARY and MILK RIVER BASINS
Watershed Snowpack Analysis - April 1, 2004

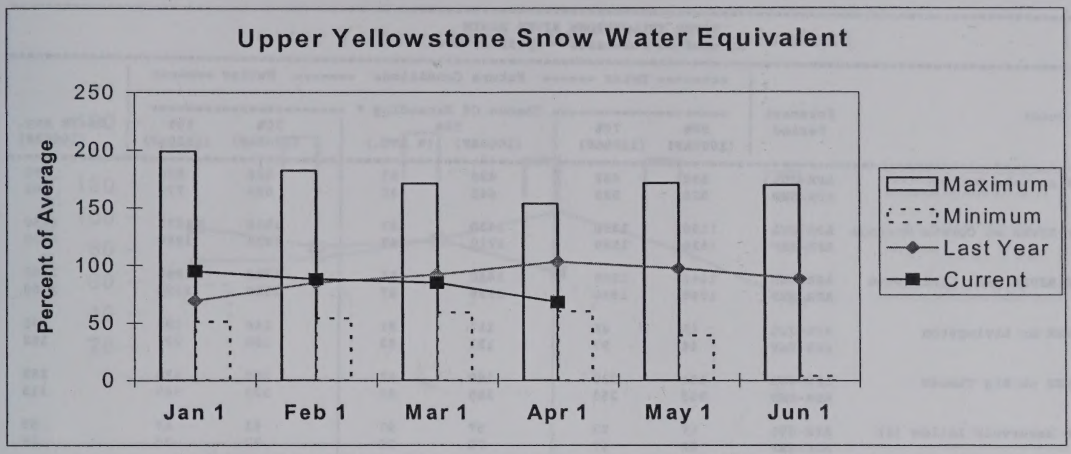
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
ST. MARY	3	81	71
BEARPAW MOUNTAINS	4	215	73
CYPRESS HILLS, CANADA	0	0	0
MILK RIVER BASIN	4	215	73
ST. MARY & MILK BASINS	7	90	72

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

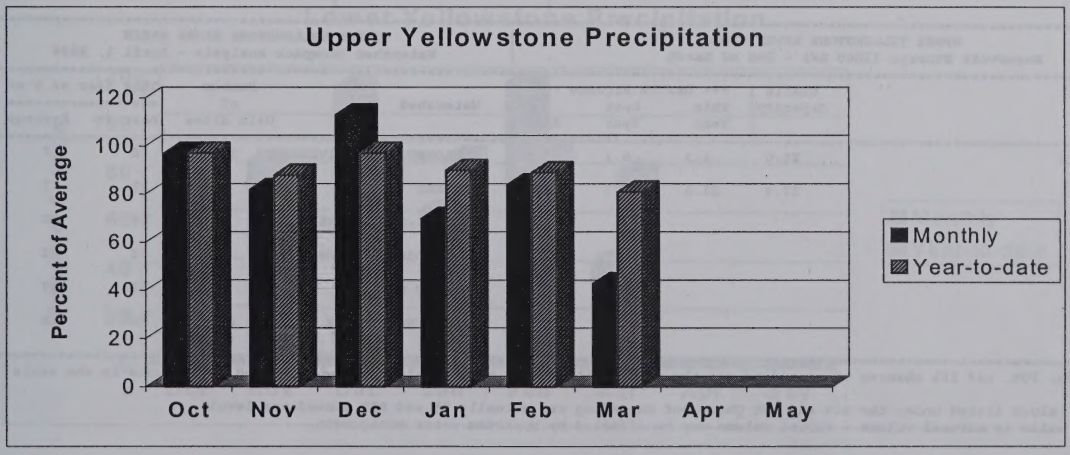
Upper Yellowstone River Basin

Snowpack conditions in the Upper Yellowstone River Basin were well below average and decreased 17 percent during March. Snow water content was 68 percent of average and 66 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1997 and minimum swe was in 2001; April maximum swe was in 1971 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1987; and June maximum swe was 1996 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during March was 48 percent of average and 31 percent of last year. Valley precipitation during March was 19 percent of average and 17 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 81 percent of average and 80 percent of last year.



Mystic Lake storage was 72 percent of average and Cooney storage was 116 percent of average and 88 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 75 to 85 percent.

Surface Water Supply Index (SWSI) was -1.9 in the Yellowstone River above Livingston; -2.9 in the Shields River; -2.2 in the Boulder River; -2.2 in the Stillwater River; -2.6 in the Rock/Red lodge Creeks; -1.9 in the Clarks Fork River; and -2.0 in the Yellowstone River above Bighorn River.

UPPER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - April 1, 2004

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
YELLOWSTONE at Lake Outlet	APR-JUL	390	450	490	83	530	590	590
	APR-SEP	520	595	645	80	695	770	805
YELLOWSTONE RIVER at Corwin Springs	APR-JUL	1190	1330	1430	87	1530	1670	1650
	APR-SEP	1430	1590	1710	87	1830	1990	1970
YELLOWSTONE RIVER near Livingston	APR-JUL	1440	1560	1640	86	1720	1840	1900
	APR-SEP	1740	1880	1980	87	2080	2220	2280
SHIELDS RIVER nr Livingston	APR-JUL	41	86	117	81	148	195	145
	APR-SEP	44	97	133	82	168	223	162
BOULDER RIVER at Big Timber	APR-JUL	189	230	260	91	290	330	285
	APR-SEP	205	250	285	91	320	365	315
MYSTIC LAKE Reservoir Inflow (2)	APR-JUL	47	53	57	97	61	67	59
	APR-SEP	60	67	72	95	77	84	76
STILLWATER RIVER nr Absarokee (2)	APR-JUL	335	395	440	89	485	545	495
	APR-SEP	405	475	520	89	565	635	585
CLARKS FORK RIVER nr Belfry	APR-JUL	400	450	485	90	520	570	540
	APR-SEP	440	495	530	89	565	620	595
COONEY RESERVOIR Inflow (2)	APR-JUL	2.9	18.0	28	60	38	53	47
	APR-SEP	11.0	26	37	65	48	63	57
YELLOWSTONE RIVER at Billings (2)	APR-JUL	2200	2750	3120	89	3490	4040	3510
	APR-SEP	2570	3210	3650	89	4090	4730	4120

UPPER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MYSTIC LAKE	21.0	1.3	0.1	1.8
COONEY	27.4	21.3	24.1	18.3

UPPER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2004

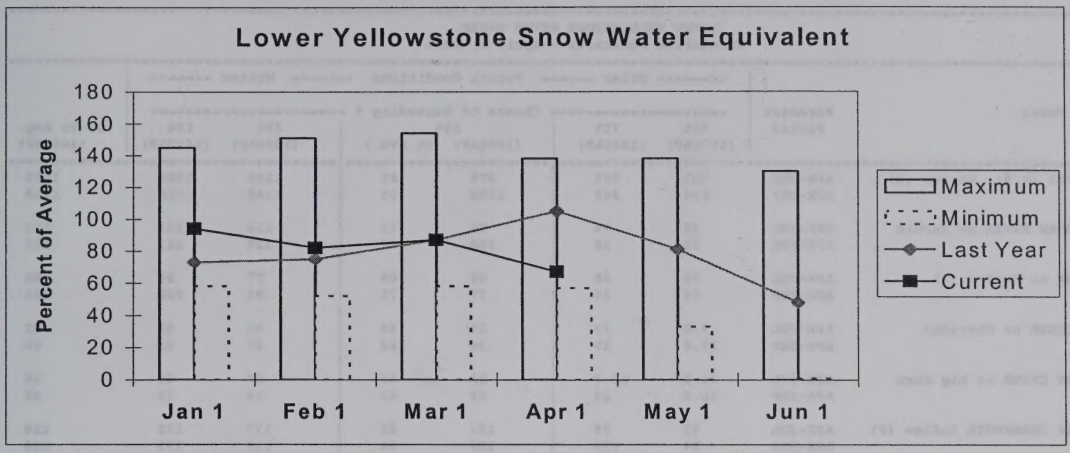
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
YELLOWSTONE ab LIVINGSTON	18	68	67
SHIELDS	7	77	77
BOULDER-STILLWATER	7	66	70
RED LODGE-ROCK CREEK	6	46	62
CLARK'S FORK	7	63	67
UPPER YELLOWSTONE BASIN	41	66	68

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

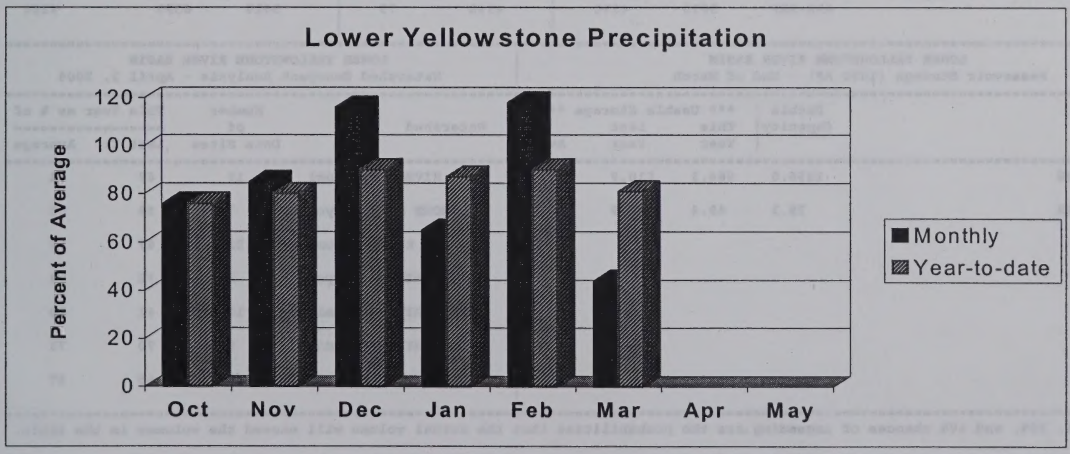
Lower Yellowstone River Basin

Snowpack conditions in the Lower Yellowstone River Basin were well below average and decreased 20 percent during March. Snow water content was 67 percent of average and 65 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 2000; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1986 and minimum swe was in 2001; April maximum swe was in 1986 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1981; and June maximum swe was in 1995 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during March was 44 percent of average and 23 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2003, was 81 percent of average and 76 percent of last year.



Bighorn Lake storage was 82 percent of average and 109 percent of last year and Tongue River storage was 164 percent of average and 103 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 56 to 70 percent.

Surface Water Supply Index (SWSI) was -2.8 in the Bighorn River below Bighorn Lake; -2.8 in the Little Bighorn River; -2.4 in the Yellowstone River below Bighorn River; -3.1 in the Tongue River; and -1.9 in the Powder River.

LOWER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - April 1, 2004

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
BIGHORN RIVER nr St. Xavier (2)	APR-JUL	555	805	975	61	1145	1395	1610
	APR-SEP	690	960	1150	65	1340	1610	1760
LITTLE BIGHORN RIVER nr Hardin	APR-JUL	45	74	94	73	114	143	128
	APR-SEP	55	86	108	75	130	161	144
TONGUE RIVER nr Dayton (2)	APR-JUL	38	55	66	69	77	94	96
	APR-SEP	46	64	77	71	90	108	109
BIG GOOSE CREEK nr Sheridan	APR-JUL	9.0	22	31	60	40	53	52
	APR-SEP	15.0	29	38	63	47	61	60
LITTLE GOOSE CREEK nr Big Horn	APR-JUL	10.3	17.0	22	65	27	34	34
	APR-SEP	16.0	24	29	69	34	42	42
TONGUE RIVER RESERVOIR Inflow (2)	APR-JUL	43	99	137	62	177	232	220
	APR-SEP	57	118	159	64	199	259	250
YELLOWSTONE RIVER at Miles City (2)	APR-JUL	3100	3930	4500	84	5070	5900	5360
	APR-SEP	3580	4550	5210	84	5870	6840	6210
POWDER RIVER at Moorehead	APR-JUL	36	96	137	67	178	238	205
	APR-SEP	54	115	157	68	197	262	230
POWDER RIVER near Locate	APR-JUL	82	119	144	61	170	205	235
	APR-SEP	96	136	164	63	194	234	260
YELLOWSTONE RIVER nr Sidney (2)	APR-JUL	2890	3750	4330	79	4910	5770	5480
	APR-SEP	3010	4270	4940	79	5610	6590	6280

LOWER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
BIGHORN LAKE	1356.0	666.3	610.9	809.9
TONGUE RIVER	79.1	49.4	47.9	30.1

LOWER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2004

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WIND RIVER (Wyoming)	19	67	64
SHOSHONE RIVER (Wyoming)	7	59	62
BIGHORN RIVER (Wyoming)	21	67	69
LITTLE BIGHORN (Wyoming)	3	72	74
TONGUE RIVER (Wyoming)	11	61	70
POWDER RIVER (Wyoming)	9	70	73
LOWER YELLOWSTONE BASIN (	49	65	67

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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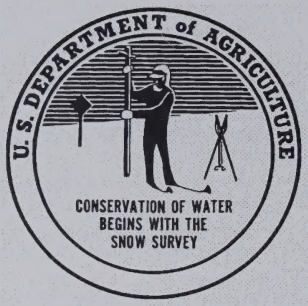

Federal Building, Room 443
10 E. Babcock
Bozeman, MT 59715

Montana
Water Supply Outlook
Report

Natural Resources Conservation Service
Bozeman, MT